



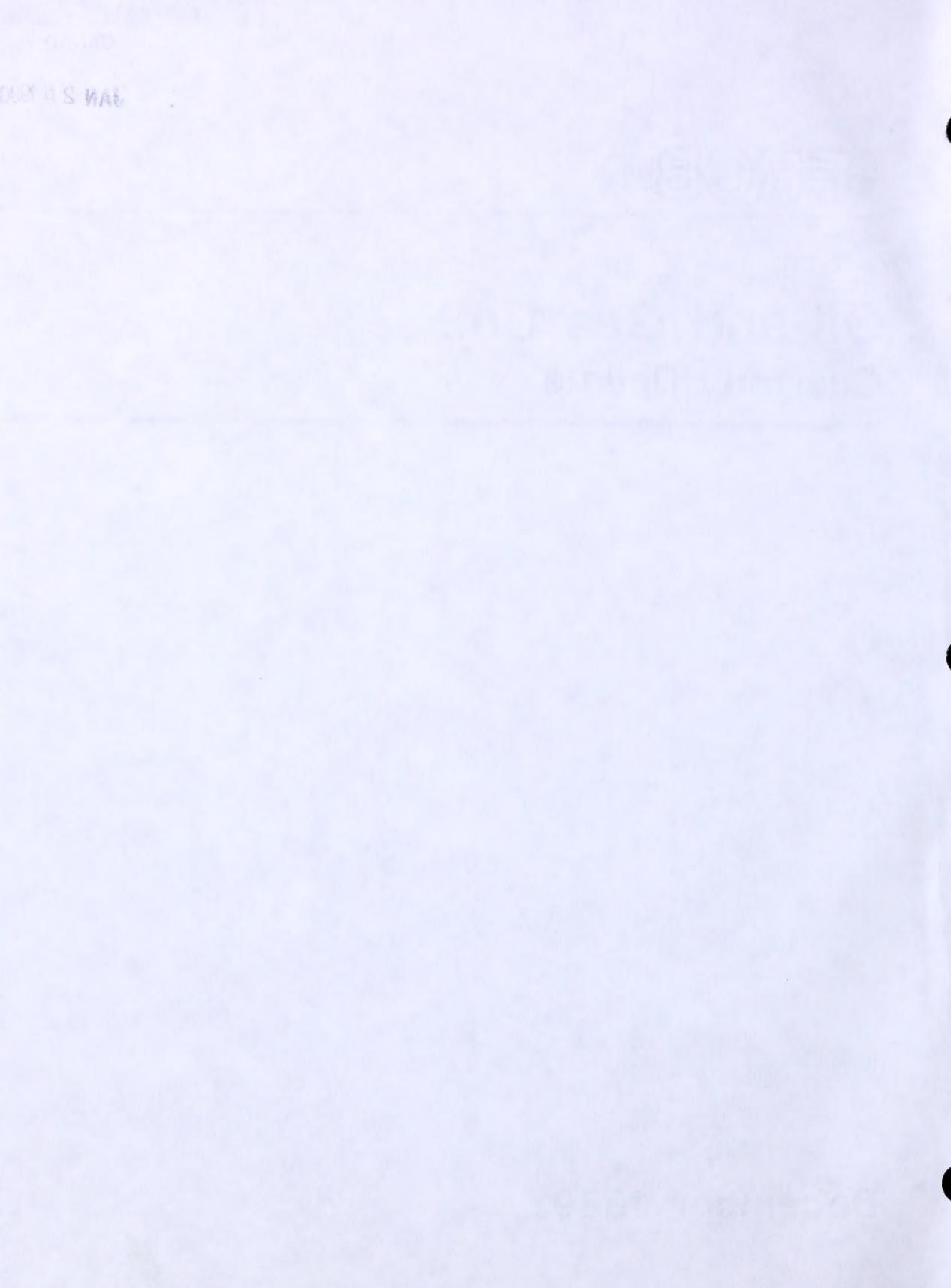
---

## **Oil and Gas Unit**

### **Quarterly Update**

---

**December 1989**





---

## **Oil and Gas Unit**

### **Quarterly Update**

---

ENERGY RESOURCES CONSERVATION BOARD

Editorial correspondence to

Drilling and Production Department  
Energy Resources Conservation Board

1989 edition, published quarterly

Publication consists of new and revised Units received by the Board up to 31 December 1989.

Published by:

Energy Resources Conservation Board  
640 - 5 Avenue SW  
CALGARY, Alberta  
T2P 3G4

Telephone (403) 297-8311

Telex 83-821717

Price \$30 - complete set of back numbers  
\$30 - annual subscription amendments

OIL AND GAS UNITS

NEW UNITS

Ferrier Belly River Unit No. 1  
Pembina Knobhill Belly River Unit No. 2

REVISED UNITS

Alderson Second White Specks Gas Unit No. 1  
Alderson Second White Specks Gas Unit No. 2  
Alderson Second White Specks Gas Unit No. 3  
Alderson West Gas Unit No. 1  
Alderson West Gas Unit No. 2  
Arrowwood Gas Unit No. 1  
Atlee Medicine Hat Sandstone Gas Unit No. 1  
Bellshills Lake Ellerslie Unit  
Bigoray Nisku "A" Pool Unit No. 1  
Bigoray Ostracod Unit No. 1  
Brazeau River Gas Unit No. 1  
Calgary Basal Quartz Unit No. 1  
Calgary Crossfield Unit No. 1  
Carrot Creek Cardium "D" Pool Unit No. 1  
Carrot Creek Cardium "F" Pool Unit No. 3  
Carrot Creek Cardium "K" Unit No. 1  
Chigwell Viking B Unit  
Choice Viking Gas Unit No. 1  
Crossfield Cardium Unit No. 1  
Crossfield Cardium Unit No. 2  
Crossfield Rundle "F" Unit No. 1  
Crossfield Turner Valley Unit No. 1  
Erskine Gas Unit No. 1  
Fenn-Big Valley Viking Gas Unit No. 1  
Ferrier Cardium Unit 3  
Gold Creek Wabamun Gas Unit No. 1  
Hanlan Swan Hills Pool Gas Unit No. 1  
Holden Viking Gas Unit No. 3  
House Mountain Unit No. 1  
Innisfail Leduc Reef Unit  
Joffre D-2 Unit No. 1  
Judy Creek Beaverhill Lake Unit  
Judy Creek West Beaverhill Lake Unit  
Kaybob South Beaverhill Lake Gas Unit No. 3  
Lathom Gas Unit No. 1  
Leduc - Woodbend D-3 Unit  
Little Bow Upper Mannville "U" and "W" Unit  
Lobstick Gas Unit No. 1  
Mazeppa Crossfield Unit No. 1



REVISED UNITS (cont'd)

Medicine River Unit No. 3  
Medicine River Unit No. 4  
Meekwap D-2A Unit No. 1  
Mitsue Gilwood Sand Unit No. 1  
Monogram Gas Unit  
Niton Unit  
Norbuck Basal Belly River "B" Pool Unit  
Northwest Pembina Cardium Unit No. 1  
Olds Unit No. 2  
Pembina Belly River "B" South Unit  
Pembina Belly River "U" East Unit  
Pembina Belly River "U" Unit  
Pembina Belly River "X" Unit  
Pembina Cardium Unit No. 4  
Pembina Cardium Unit No. 9 (Blue Rapids Area)  
Pembina Cardium Unit No. 10 (Berrymoor Cardium Unit)  
Pembina Cardium Unit No. 13  
Pembina Cardium Unit No. 31  
Pembina Easyford Cardium Unit No. 1  
Pembina Keystone Cardium Unit No. 2  
Pembina Ostracod "E" Unit  
Progress Halfway Gas Unit No. 1  
Provost Gas Unit No. 3  
Provost Veteran Viking "C" South Unit  
Provost Viking Sand Gas Unit  
Provost Viking Veteran Unit  
Rainbow Keg River I Unit  
Ricinus Cardium Unit No. 1  
Spirit River Triassic Unit No. 1  
Sullivan Lake Gas Unit No. 1  
Sunset Triassic "A" Unit No. 1  
Taber North Unit  
Three Hills Creek Pekisko Unit No. 1  
Virginia Hills Belloy - Shunda Unit No. 1  
Willesden Green Cardium Unit No. 4  
Willesden Green Cardium Unit No. 7  
Willesden Green Cardium Unit No. 10  
Willesden Green Glauconitic "A" Unit No. 1  
Windfall D-3 Unit  
Wood River D-2A Unit  
Zama Keg River "CC" Unit



REVISED UNITS (cont'd)

The following units were revised but company names, unit areas, or final participation were not affected.

Calgary Elkton Unit No. 1  
Countess Upper Mannville "DFH" Unit  
Goose River Unit No. 1  
Highvale Cardium "C" Unit  
Highvale Ostracod Unit  
Pembina Cardium Unit No. 11  
South Garrington Cardium "B" Unit No. 1  
Sunnynook Gas Unit #1  
Westerose Leduc (D-3) Unit  
Wildcat Hills Unit

The following unit is published to reflect a correction made by the Board.

Mitsue Gilwood Sand Unit No. 2

10. Major program areas

10.1. Major program areas and activities are set forth below, with  
activities in one area affecting those in another.

10.1.1. Capital budget includes:  
a) "B&T" activities through acquisition  
of capital assets such as  
\$2,000,000 million relating to  
land, buildings, equipment,  
etc., and acquisition and  
lease of \$1 million or more each  
year which may be required  
to meet capital needs and  
which will result in annual  
operating expenses of \$100,000,000.

10.1.2. Other activities include building and other capital and  
debt.

10.1.3. Major program areas and activities

FERRIER BELLY RIVER UNIT NO. 1

Located in the Ferrier Field

Unit Operator - Amerada Minerals Corporation of Canada Ltd.

Initial Effective Date - 1 November 1989

\*Unitized Zone - Belly River Formation within the Unitized Area

\*Unitized Substance - Petroleum Substances in or obtained from  
the Unitized Zone.

<u>PARTY</u>	<u>UNIT PARTICIPATION %</u>
Amerada Minerals Corporation of Canada Ltd.	52.6830
Argyll Resources Ltd.	0.1573
Juniper Ridge Oil & Gas Ltd.	1.3010
Mobil Oil Canada	44.4430
Signalta Resources Limited	1.4157
	<u>100.0000</u>

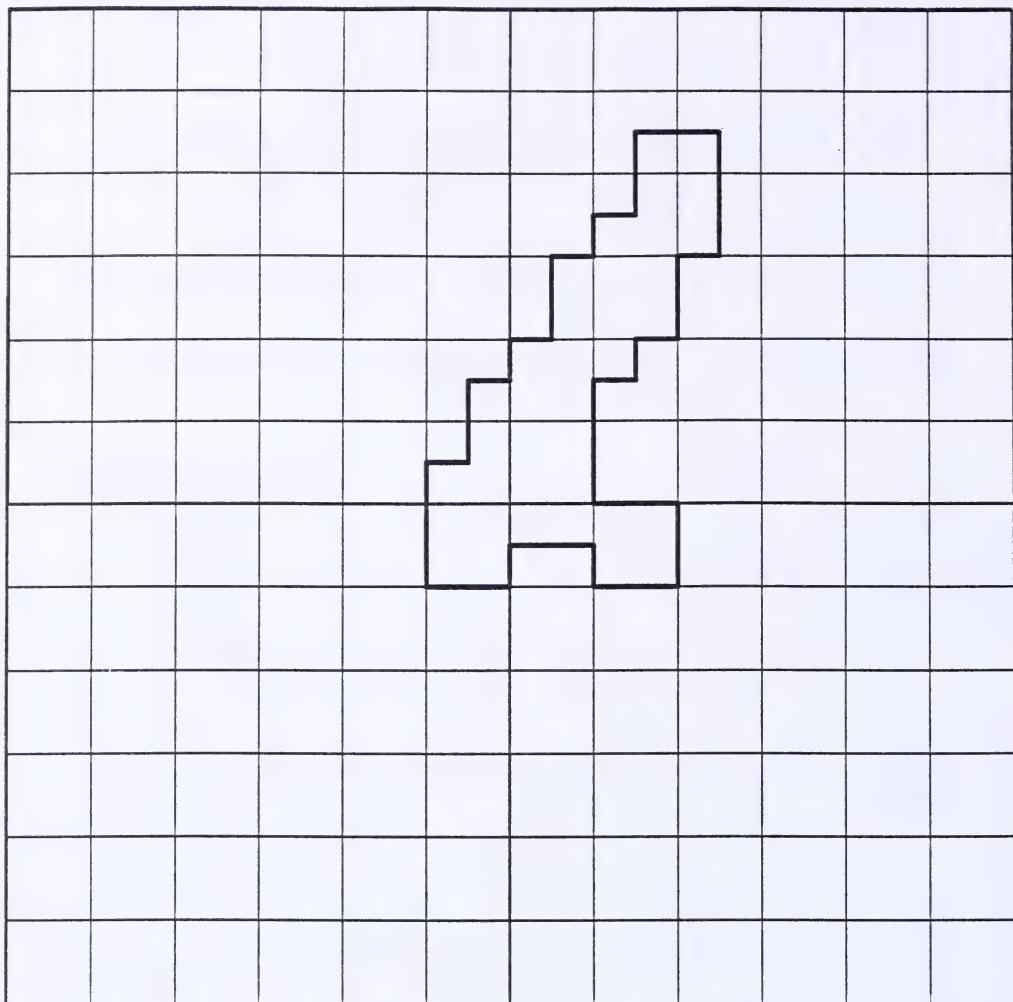
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.9

R.8 W.5M.



FERRIER BELLY RIVER UNIT NO. 1

**ERCB**

INITIAL EFFECTIVE DATE- 1 NOVEMBER 1989

UNIT OPERATOR- AMERADA MINERALS CORPORATION OF CANADA LTD.

PEMBINA KNOBHILL BELLY RIVER UNIT NO. 2

(Formerly Pembina Knobhill Belly River Unit No. 1)

Located in the Pembina Field

Unit Operator - Mark Resources Inc.

Initial Effective Date - 1 December 1989

\*Unitized Zone - Belly River Formation within the Unit Area

\*Unitized Substance - Petroleum Substances in or obtained from  
the Unitized Zone.

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	8.1067
Lasmo Canada Inc.	13.4900
Mark Resources Inc.	44.9666
PanCanadian Petroleum Limited	27.6554
Ranger Oil Ltd.	5.7813
	<u>100.0000</u>

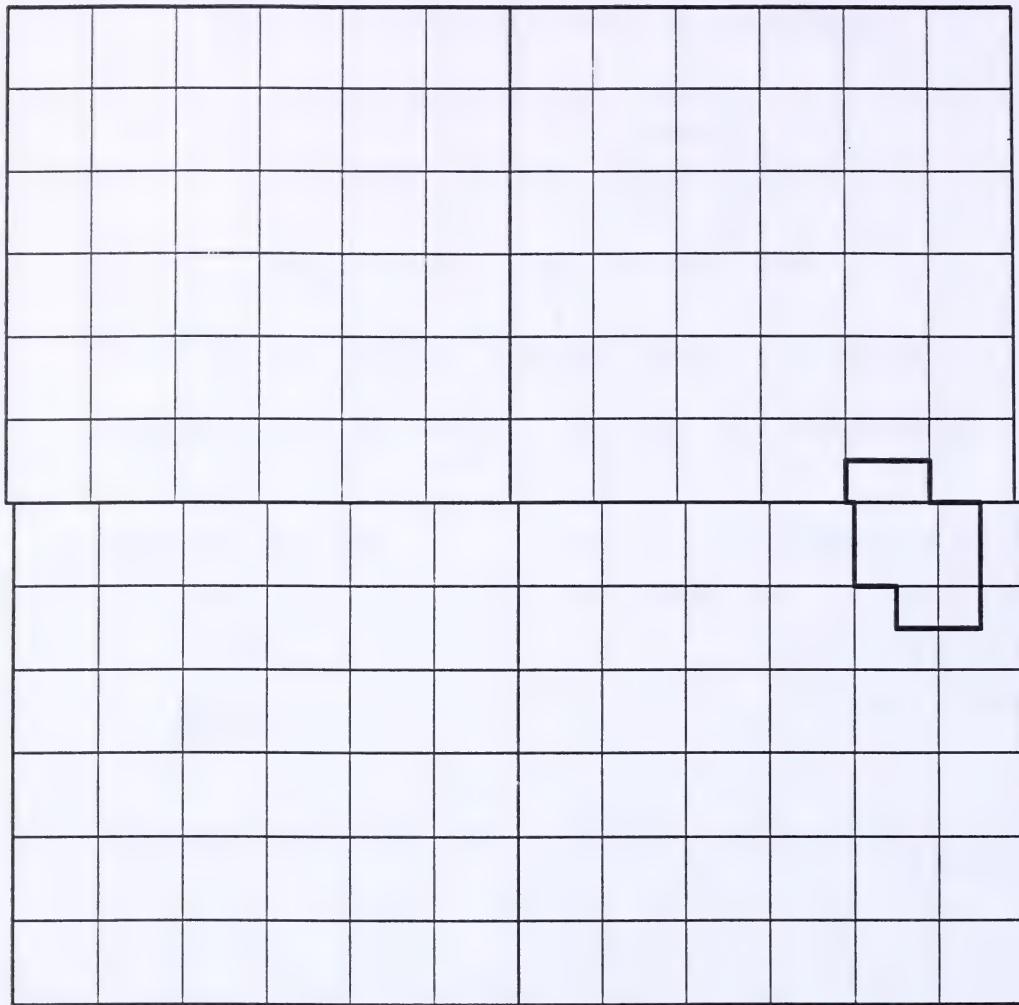
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.3

R.2 W.5M.



T.47

T.46

PEMBINA KNOB HILL BELLY RIVER UNIT NO.2      **ERCB**  
(Formerly Pembina Knobhill Belly River Unit No.1)

INITIAL EFFECTIVE DATE - 1 DECEMBER 1989

UNIT OPERATOR - MARK RESOURCES INC.

ALDERSON SECOND WHITE SPECKS GAS UNIT NO. 1

Located in the Alderson Field

Unit Operator - PanCanadian Petroleum Limited

Initial Effective Date - 1 May 1968

Participation Revised - 1 June 1989

\*Unitized Zone - Second White Specks Formation

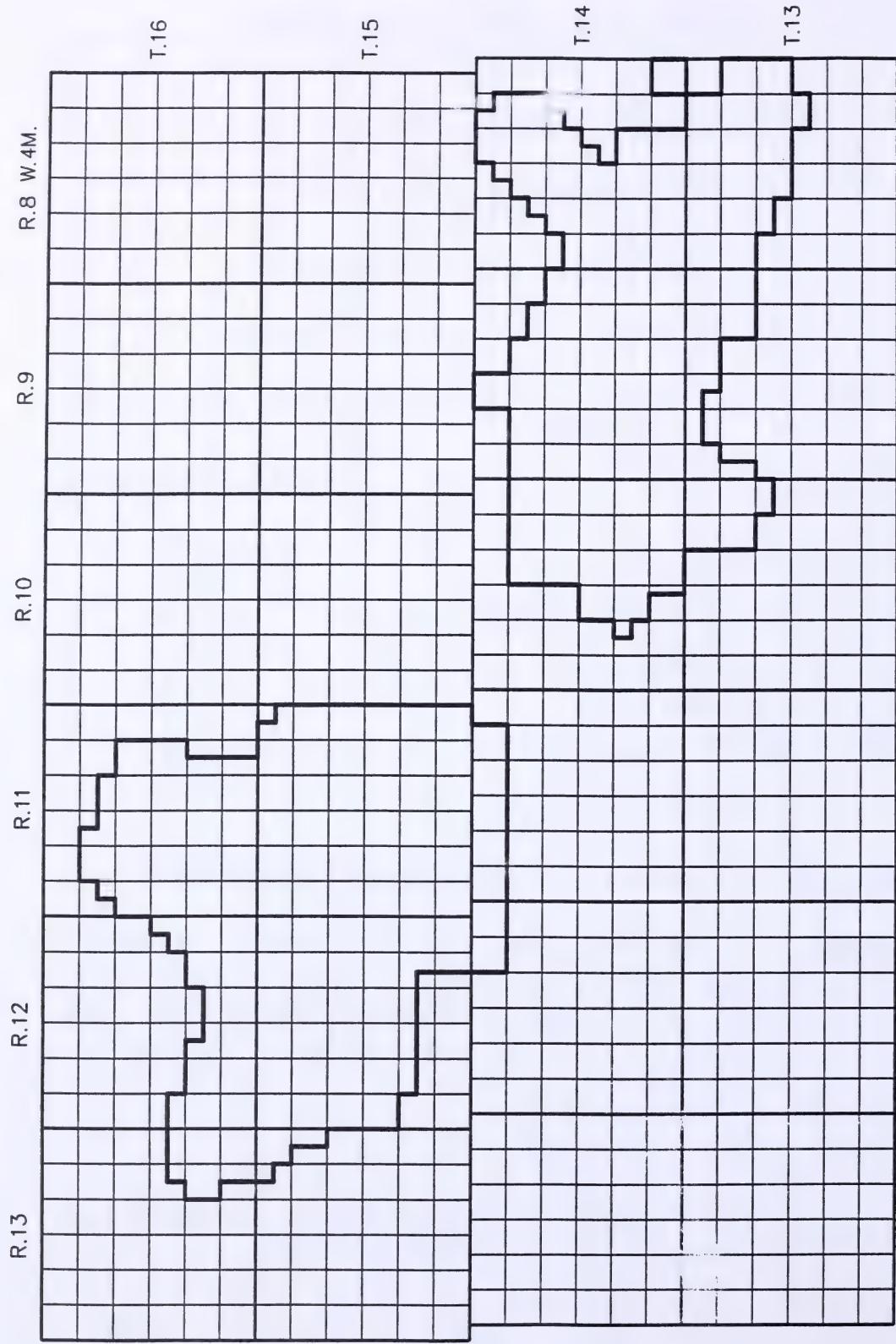
\*Unitized Substance - Natural gas and other hydrocarbons (except crude oil and coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Altex Resources Ltd.	0.29071
Amoco Canada Resources Ltd.	0.95047
BP Resources Canada Limited	2.98305
Canenco (1988) Exploration Limited Partnership	0.25550
Cooperative Energy Development Corporation	0.29071
Koch Exploration Canada, Ltd.	0.49563
Murphy Oil Company Ltd.	0.18020
PanCanadian Petroleum Limited	87.70782
Petro-Canada Inc.	5.96517
Scurry-Rainbow Oil Limited	0.88074
	<u>100.00000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta



ALDERSON SECOND WHITE SPECKS GAS UNIT NO.1

INITIAL EFFECTIVE DATE - 1 MAY 1968

UNIT OPERATOR - PANCANADIAN PETROLEUM LIMITED

ERCB

ALDERSON SECOND WHITE SPECKS GAS UNIT NO. 2

Located in the Alderson Field

Unit Operator - Petro-Canada Inc.

Initial Effective Date - 1 June 1968

Participation Revised - 1 August 1989

\*Unitized Zone - Second White Specks Formation

\*Unitized Substance - Natural gas and other hydrocarbons (except crude oil and coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	2.59129
Esso Resources Canada	24.70093
PanCanadian Petroleum Limited	10.40235
Petro-Canada Inc.	62.30543
	<u>100.00000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

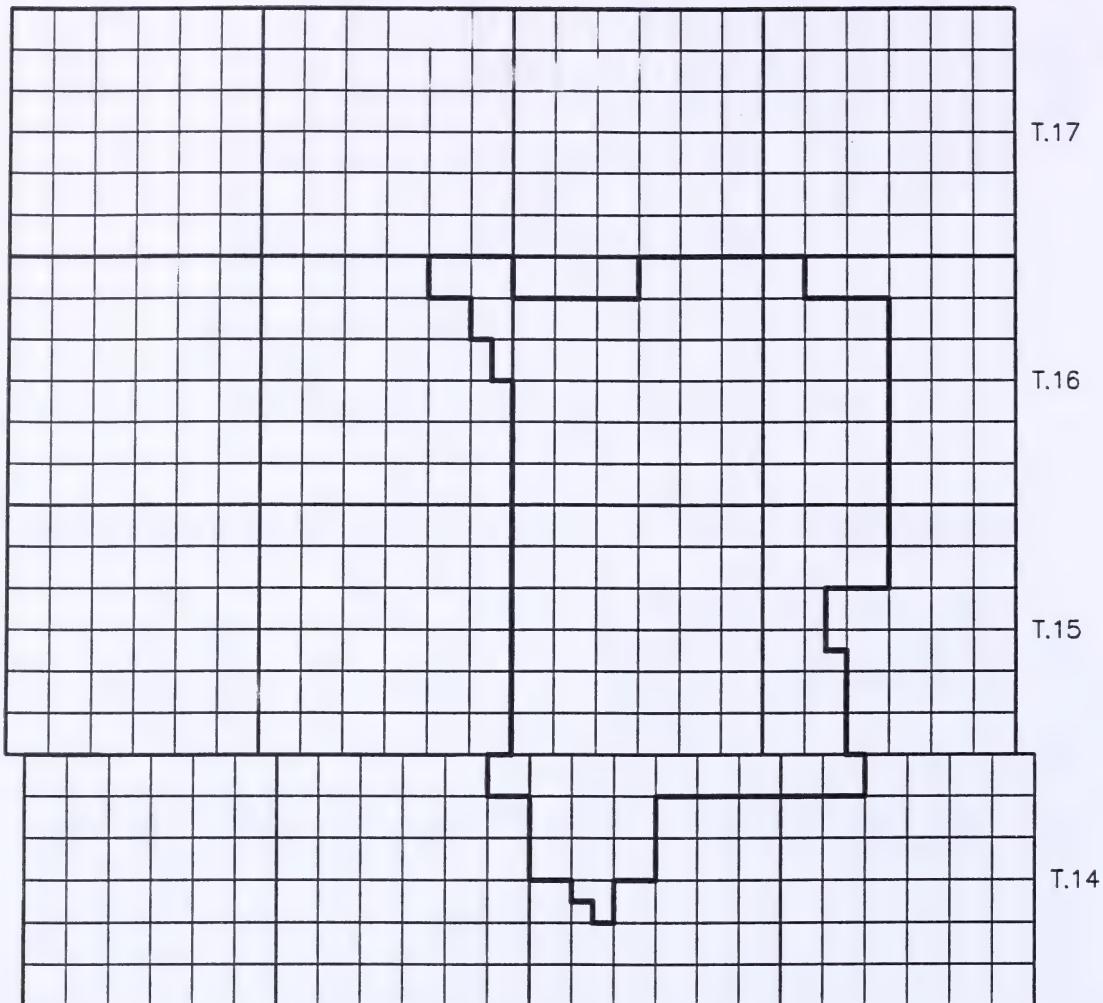
ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.12

R.11

R.10

R.9 W.4M.



ALDERSON SECOND WHITE SPECKS  
GAS UNIT NO.2

 ERCB

INITIAL EFFECTIVE DATE - 1 JUNE 1968  
UNIT OPERATOR - PETRO-CANADA INC.

ALDERSON SECOND WHITE SPECKS GAS UNIT NO. 3

Located in the Alderson and Medicine Hat Fields

Unit Operator - PanCanadian Petroleum Limited

Initial Effective Date - 1 June 1976

Participation Revised - 1 June 1989

\*Unitized Zone - Second White Specks

\*Unitized Substance - Natural Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	3.963901
BP Resources Canada Limited	8.192163
Canada Northwest Energy Limited	2.455218
Haraldson Minerals Ltd.	1.001231
PanCanadian Petroleum Limited	80.352178
Petro-Canada Inc.	4.035309
	<u>100.000000</u>

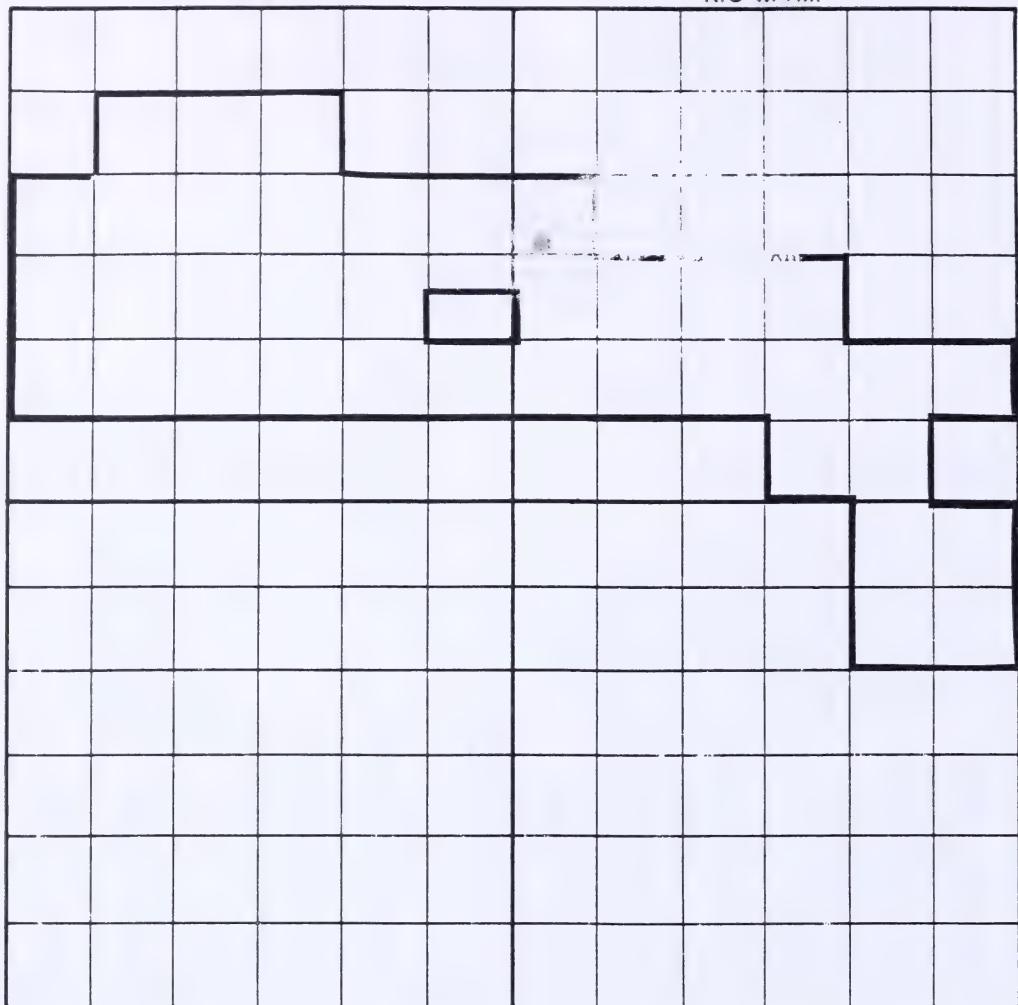
\* For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.9

R.8 W.4M.



ALDERSON SECOND WHITE SPECKS GAS UNIT NO.3

ERCB

INITIAL EFFECTIVE DATE - 1 JUNE 1976

UNIT OPERATOR - PANCANADIAN PETROLEUM LIMITED

ALDERSON WEST GAS UNIT NO. 1

Located in the Alderson Field

Unit Operator - PanCanadian Petroleum Limited

Initial Effective Date - 1 May 1978

Participation Revised - 1 June 1989

\*Unitized Zone - Glauconitic

\*Unitized Substance - Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	9.41173
Ladd Exploration Company	11.50323
PanCanadian Petroleum Limited	56.46523
PRC Petroleum (1984) Ltd.	<u>22.61981</u>
	100.00000

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.15

R.14 W.4M.

A blank 10x10 grid for drawing or plotting. The grid consists of 100 equal-sized squares arranged in a single column and ten rows.

ALDERSON WEST GAS UNIT NO.1



INITIAL EFFECTIVE DATE- 1 MAY 1978

UNIT OPERATOR-PANCANADIAN PETROLEUM LIMITED

ALDERSON WEST GAS UNIT NO. 2

Located in the Alderson Field

Unit Operator - PanCanadian Petroleum Limited

Initial Effective Date - 1 June 1977

Participation Revised - 1 June 1989

\*Unitized Zone - Glauconitic Formation

\*Unitized Substance - Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	20.00000
PanCanadian Petroleum Limited	80.00000
	<u>100.00000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.15 W.4M.

- - - 31 - -	- - - 32 - -	- - - 33 - -	- - - 34 - -	- - - 35 - -	- - - 36 - -
- - - 30 - -	- - - 29 - -	- - - 28 - -	- - - 27 - -	- - - 26 - -	- - - 25 - -
- - - 19 - -	- - - 20 - -	- - - 21 - -	- - - 22 - -	- - - 23 - -	- - - 24 - -
- - - 18 - -	- - - 17 - -	- - - 16 - -	- - - 15 - -	- - - 14 - -	- - - 13 - -
- - - 7 - -	- - - 8 - -	- - - 9 - -	- - - 10 - -	- - - 11 - -	- - - 12 - -
- - - 6 - -	- - - 5 - -	- - - 4 - -	- - - 3 - -	- - - 2 - -	- - - - -

T.14

ALDERSON WEST GAS UNIT NO. 2



INITIAL EFFECTIVE DATE - 1 JUNE 1977

UNIT OPERATOR - PANCANADIAN PETROLEUM LIMITED

ARROWWOOD GAS UNIT NO. 1

Located in the Herronton Field

Unit Operator - Amoco Canada Resources Ltd.

Initial Effective Date - 1 July 1977

Participation Revised - 1 November 1989

\*Unitized Zone - Basal Belly River Formation

\*Unitized Substance - Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	17.39523
Canadian Western Natural Gas Company Limited	15.71618
Drake Petroleum Ltd.	0.43374
Lite Resources Ltd.	1.47097
Maligne Resources Limited	0.08491
Mobil Oil Canada	14.98670
Norpet Resources Limited	1.51796
North Canadian Oils Limited	12.84539
Northland Bank in Liquidation	1.42732
PanCanadian Petroleum Limited	0.81931
Randle Ranches Limited	1.80328
Sceptre Resources Limited	26.07872
Scurry-Rainbow Oil Limited	1.20417
Southland Royalty Company	3.31902
Troy Oils Ltd.	0.28879
Vee Jay Oil Producers Inc.	0.28879
Woodbend Oil & Gas Ltd.	0.31902
	<u>100.00000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

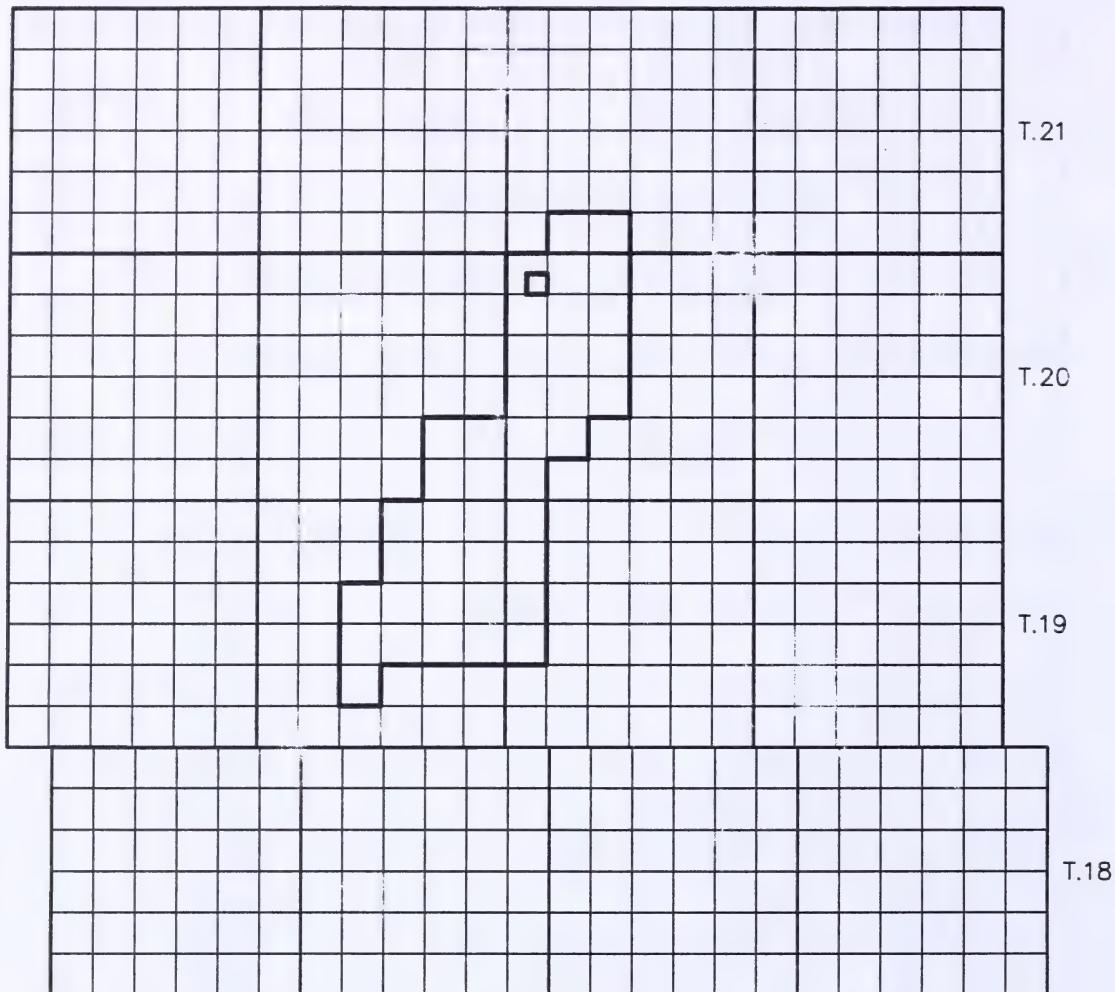
ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.27

R.26

R.25

R.24 W.4M.



ARROWWOOD GAS UNIT NO.1

INITIAL EFFECTIVE DATE- 1 JULY 1977

UNIT OPERATOR- AMOCO CANADA RESOURCES LTD.

ERCB

ATLEE MEDICINE HAT SANDSTONE GAS UNIT NO. 1

Located in the Altee-Buffalo Field

Unit Operator - PanCanadian Petroleum Limited

Initial Effective Date - 1 November 1970

Participation Revised - 1 April 1987

\*Unitized Zone - Medicine Hat Sandstone Zone

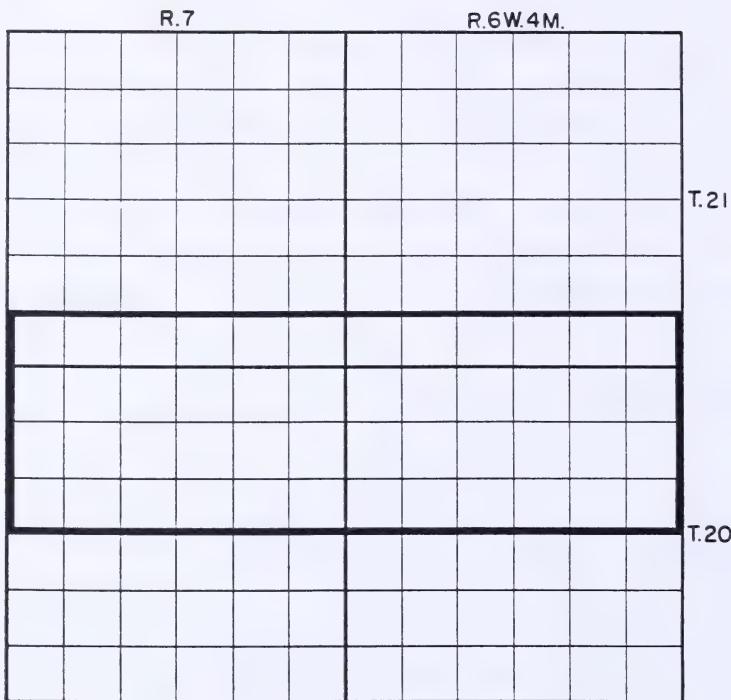
\*Unitized Substance - Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
PanCanadian Petroleum Limited	100.00 <u>100.00</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta



**ATLEE MEDICINE HAT SANDSTONE GAS UNIT NO. I**

**INITIAL EFFECTIVE DATE — NOVEMBER 1, 1970**

**UNIT OPERATOR — PANCANADIAN PETROLEUM LIMITED**

BELLSHILL LAKE ELLERSLIE UNIT

Located in the Bellshill Lake Field

Unit Operator - Petro-Canada Inc.

Initial Effective Date - 1 November 1970

Participation Revised - 1 August 1989

\*Unitized Zone - Ellerslie Member of Blairmore Group

\*Unitized Substance - Petroleum, Natural Gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	4.14186
Champlin Canada Ltd.	3.70194
Esso Resources Enterprises Ltd.	7.42803
Husky Oil Operations Ltd.	5.44338
Keles Production Company	0.04589
Petro-Canada Inc.	75.91274
Shell Canada Limited	3.32616
	<u>100.00000</u>

\* For a complete definition of unitized zone and substance see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

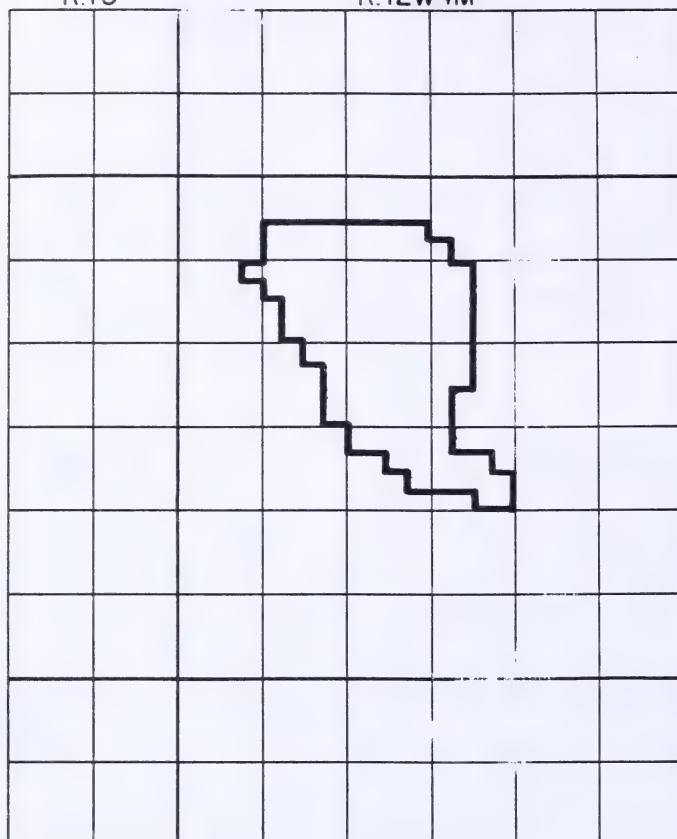
R.13

R.12W4M

T.42

T.41

T.40



## BELLSHILL LAKE ELLERSLIE UNIT

INITIAL EFFECTIVE DATE - NOVEMBER 1, 1970

UNIT OPERATOR - PETRO - CANADA INC.

BIGORAY NISKU "A" POOL UNIT NO. 1

Located in the Bigoray Field

Unit Operator - Amoco Canada Petroleum Company Ltd.

Initial Effective Date - 1 April 1983

Participation Revised - 1 November 1989

\*Unitized Zone - Nisku Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	32.0891
Amoco Canada Resources Ltd.	5.6238
Canadian Occidental Petroleum Ltd.	13.7525
Enerplus Resources Corporation	2.1477
Esso Resources Canada	4.5842
Felmont Oil Corporation	5.6238
HOOPP Resources Inc.	1.9820
Norcen Energy Resources Limited	11.4083
Pension Fund Energy Resources Limited	7.4447
Petro-Canada Inc.	4.5842
The Independent Order of Foresters Canadian Head Office Pension Fund	0.5663
141318 Canada Inc.	2.8315
2318-4518 Quebec Inc.	5.6630
636652 Ontario Inc.	<u>1.6989</u>
	<u>100.0000</u>

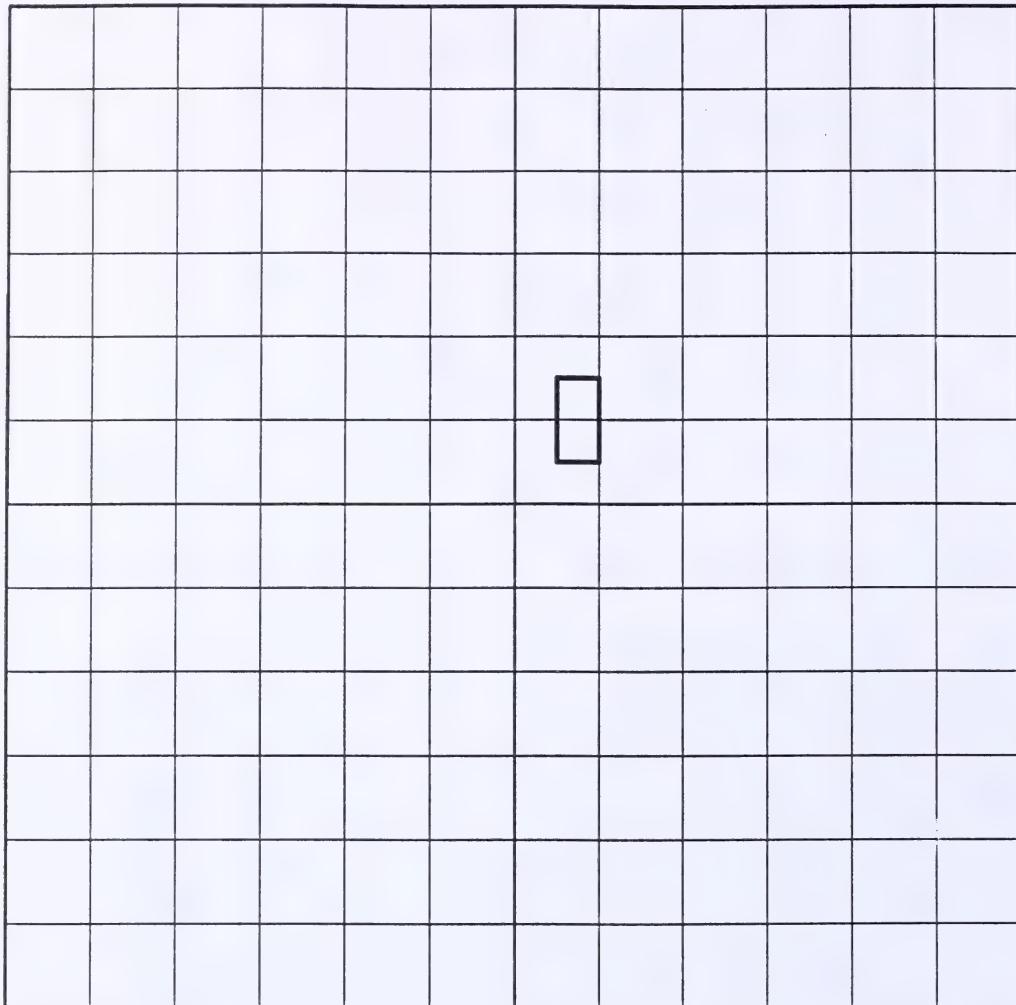
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta -

R.9

R.8 W.5M.



BIGORAY NISCU A POOL UNIT NO.1

ERCB

INITIAL EFFECTIVE DATE - 1 APRIL 1983

UNIT OPERATOR - AMOCO CANADA PETROLEUM COMPANY LTD.

BIGORAY OSTRACOD UNIT NO. 1

Located in the Bigoray Field

Unit Operator - Norcen Energy Resources Limited

Initial Effective Date - 1 October 1964

Participation Revised - 1 October 1989

\*Unitized Zone - Ostracod Zone

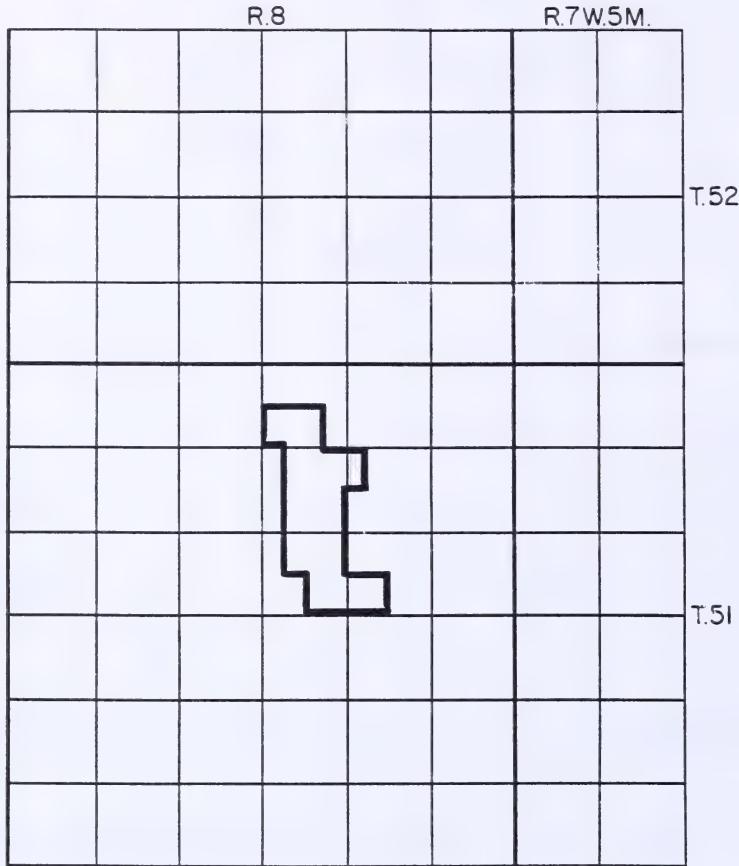
\*Unitized Substance - Crude oil, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	1.3989
Canadian Occidental Petroleum Ltd.	0.5995
Denison Mines Limited	16.4231
Esso Resources Canada	0.1998
Felmont Oil & Gas Company	0.5866
Norcen Energy Resources Limited	80.5923
Tap Capital Gas Corporation	0.1998
	<u>100.0000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta



## BIGORAY OSTRACOD UNIT NO. I

UNIT OPERATOR - NORCEN ENERGY RESOURCES LIMITED

INITIAL EFFECTIVE DATE - OCTOBER 1, 1964

BRAZEAU RIVER GAS UNIT NO. 1

Located in the Brazeau River Field

Unit Operator - Esso Resources Canada Limited

Initial Effective Date - 1 November 1973

Participation Revised - 1 October 1989

\*Unitized Zone - Turner Valley and Shunda Formations

\*Unitized Substance - Natural Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	3.98616
Cangild Resources Ltd.	0.09200
Canterra Energy Ltd.	1.54081
Can-Tex Producing Company Ltd.	0.92000
Corexcana Ltd.	0.72618
Discovery West Corp.	0.92000
Esso Resources Canada Limited	21.52755
Gulf Canada Resources Limited	20.26606
Harvard International Resources Ltd.	1.54082
Home Oil Company Limited	2.05442
Mobil Oil Canada	21.52754
New York Oils Limited	0.55200
Pembina Resources Limited	2.91702
Placer CEGO Petroleum, A Division of Placer Dome Inc.	0.92000
Restech Canada Holdings Limited	0.27600
Shell Canada Limited	15.27501
Southland Royalty Company	0.92000
Southmark Acquisitions Canada Ltd.	0.27600
Spruce Hills Production Company, Inc.	0.68080
Total Petroleum (Canada) Ltd.	3.08163
	<u>100.00000</u>

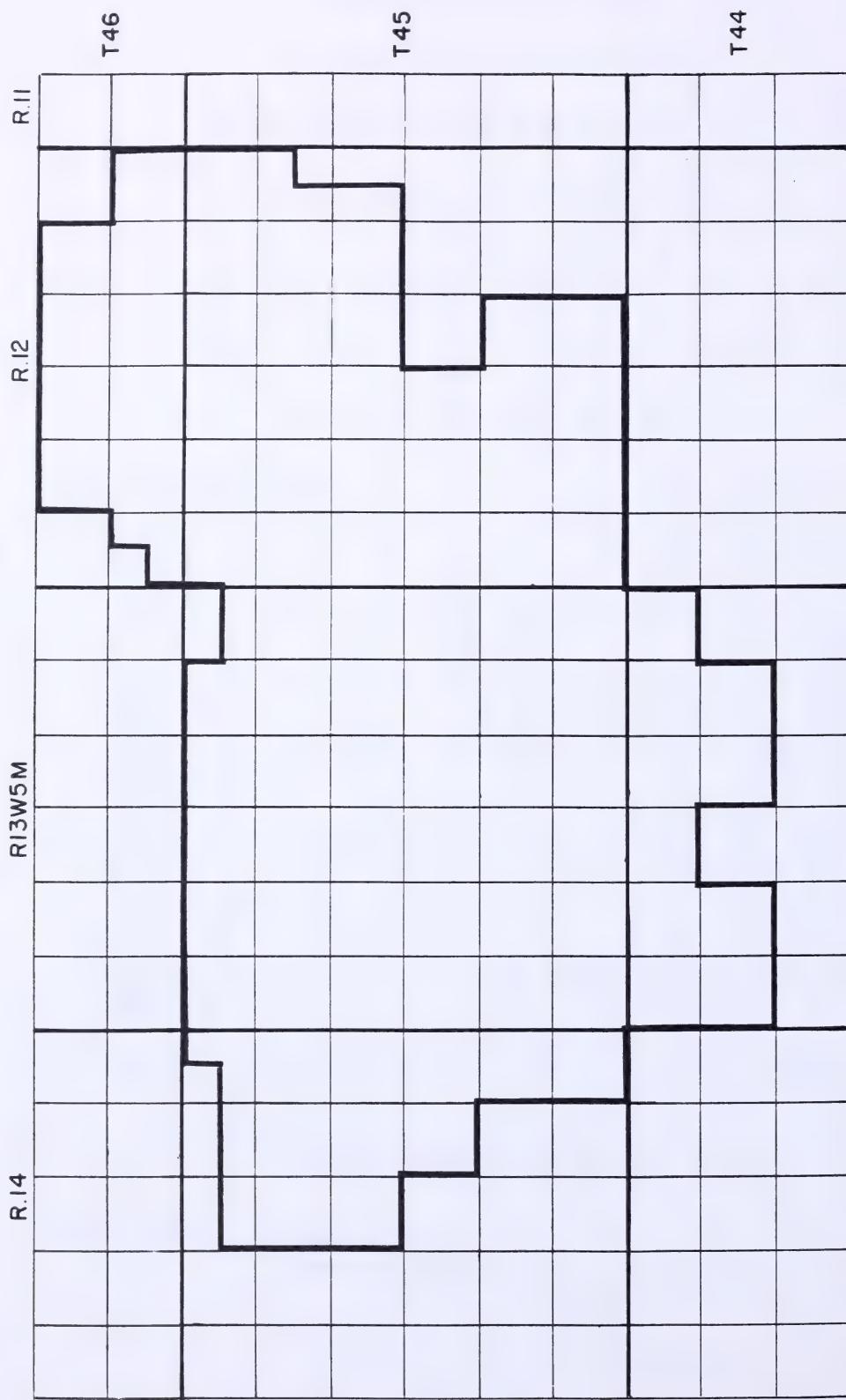
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

ERCB

BRAZEAU RIVER GAS UNIT NO. I  
INITIAL EFFECTIVE DATE - I NOVEMBER 1973  
UNIT OPERATOR - ESSO RESOURCES CANADA LIMITED



CALGARY BASAL QUARTZ UNIT NO. 1

Located in the Crossfield Field

Unit Operator - Canadian Occidental Petroleum Ltd.

Initial Effective - 1 September 1966

Participation Revised - 1 November 1989

\*Unitized Zone - Basal Quartz Formation

\*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
BP Resources Canada Limited	0.08714
Canadian Occidental Petroleum Ltd.	38.84188
Enerplus Resources Corporation	4.44224
Esso Resources Canada Ltd.	2.93495
Mobil Oil Canada	37.73176
Norcen Energy Resources Limited	0.77277
Petro-Canada Inc.	13.38983
Scurry-Rainbow Oil Ltd.	0.96945
Trek Energy Inc.	0.44359
Wilshire Oil of Canada, Ltd.	0.38638
	<u>100.00000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

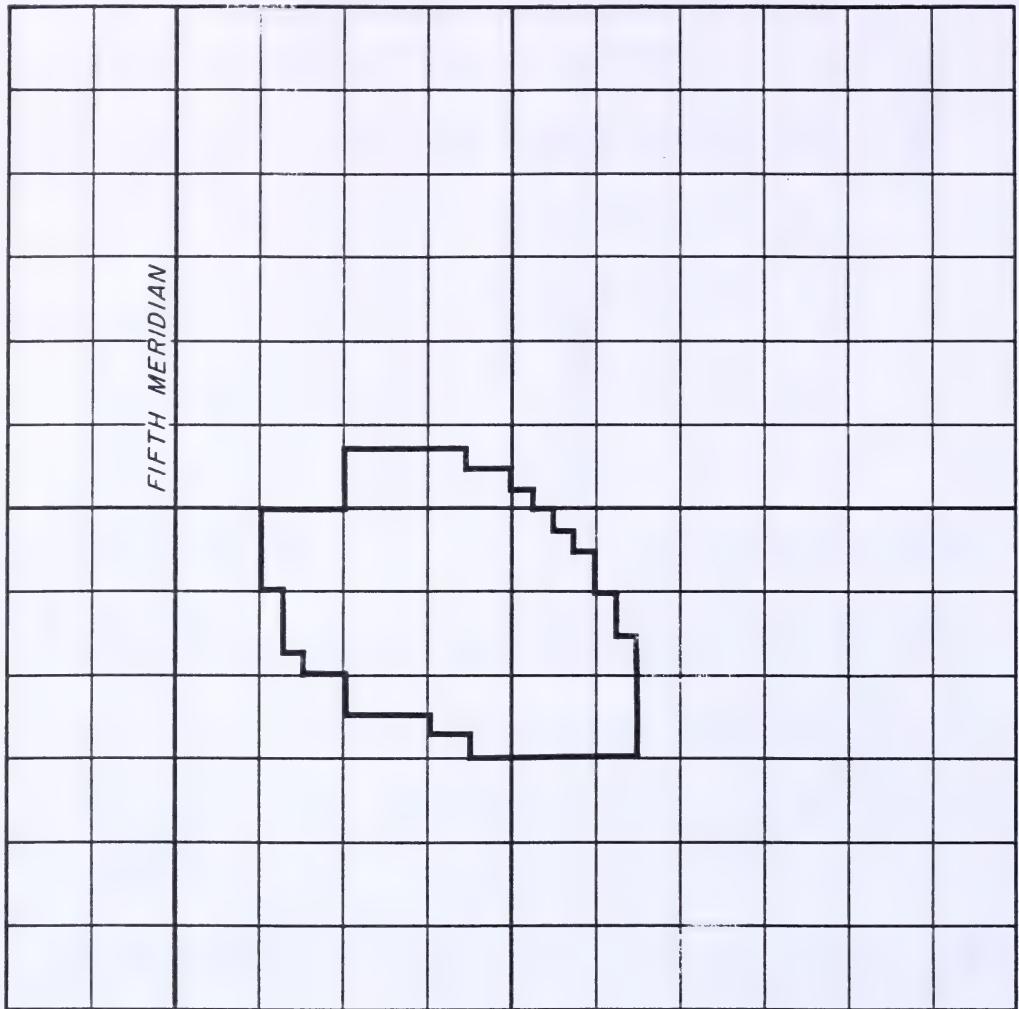
(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.I.W.5M.

R.29

R.28 W.4 M.



# CALGARY BASAL QUARTZ UNIT NO. I

ERCB

INITIAL EFFECTIVE DATE - 1 SEPTEMBER 1966

UNIT OPERATOR - CANADIAN OCCIDENTAL PETROLEUM LTD.

CALGARY CROSSFIELD UNIT NO. 1

Located in the Crossfield Field

Unit Operator - Canadian Occidental Petroleum Ltd.

Initial Effective Date - 1 December 1961

Participation Revised - 1 November 1989

\*Unitized Zone - Crossfield Formation

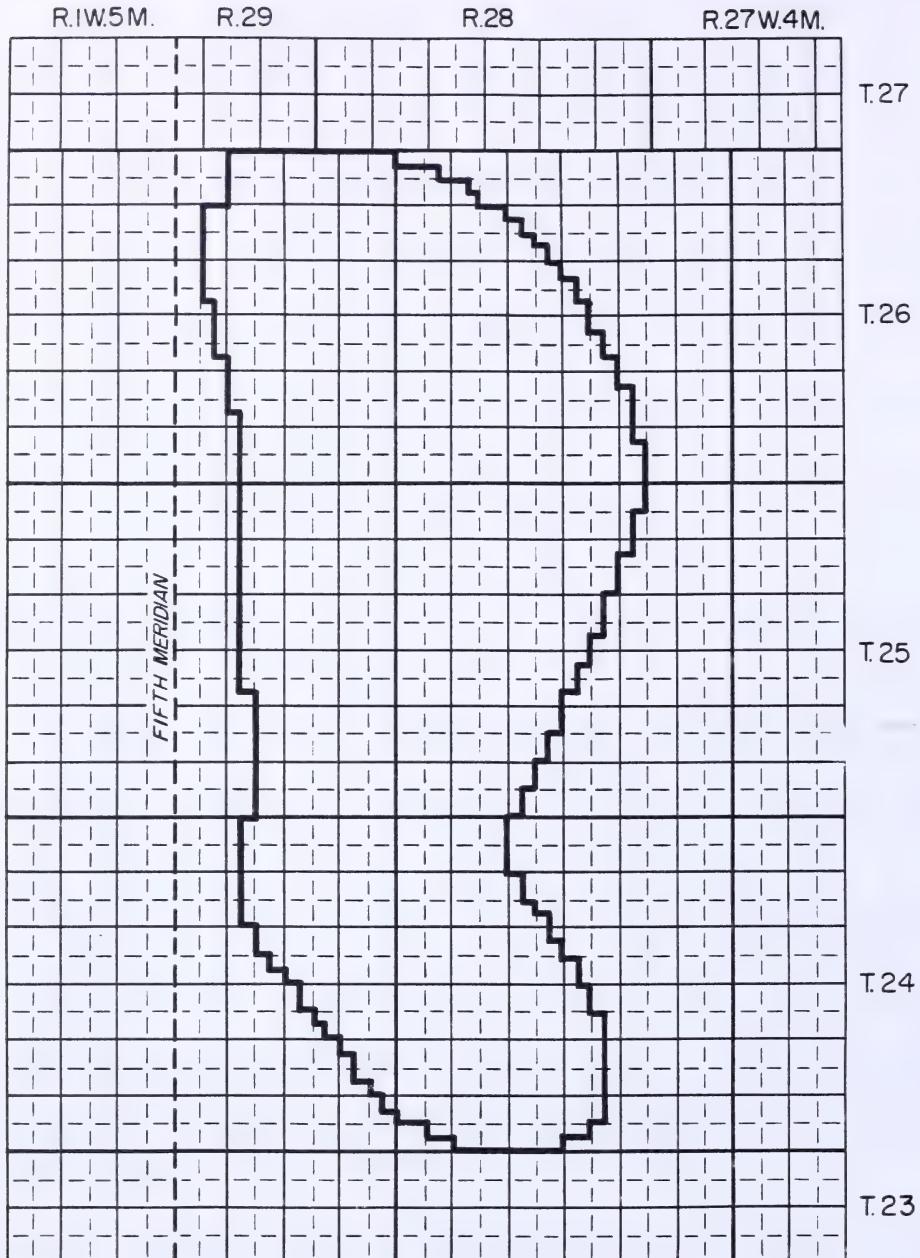
\*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Barlow Bros. Ltd.	0.0025568
BP Resources Canada Ltd.	2.4220078
Camelot Minerals Ltd.	0.0982282
Canadian Occidental Petroleum Ltd.	37.7826283
Enerplus Resources Corporation	4.4523643
Esso Resources Canada	0.2194921
Esso Resources Canada Limited	1.6332109
Gulf Canada Limited	1.2767785
Home Oil Company Limited	0.5976090
Janval Oil Company	0.4648878
Jethro Development Ltd.	0.0018857
Mobil Oil Canada	37.1283390
Norcen Energy Resources Limited	3.5851937
Norpel Oil & Gas Ltd.	0.1886417
Petro-Canada Inc.	6.4897218
Petroterra Natural Resources Ltd.	0.3836986
Scurry-Rainbow Oil Limited	2.1884833
Wilshire Oil of Canada, Ltd.	1.0842725
	<u>100.0000000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta



CALGARY CROSSFIELD UNIT NO. I      

INITIAL EFFECTIVE DATE - 1 DECEMBER 1961

UNIT OPERATOR - CANADIAN OCCIDENTAL PETROLEUM LTD.

CARROT CREEK CARDIUM "D" POOL UNIT NO. 1

Located in the Carrot Creek Field

Unit Operator - Amoco Canada Petroleum Company Ltd.

Initial Effective Date - 1 April 1988

Participation Revised - 1 December 1989

\*Unitized Zone - Cardium Formation

\*Unitized Substance - Petroleum and other hydrocarbons (except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	64.224665
APL Oil & Gas Ltd.	10.383087
Esso Resources Canada	14.218431
Lanka Exploration Ltd.	0.085303
Mosswood Oil & Gas Ltd.	1.182860
Phillips Petroleum Resources, Ltd.	6.428818
Precambrian Shield Resources Limited	2.293476
Ultramar Oil and Gas Canada Limited	<u>1.182860</u>
	<u>100.000000</u>

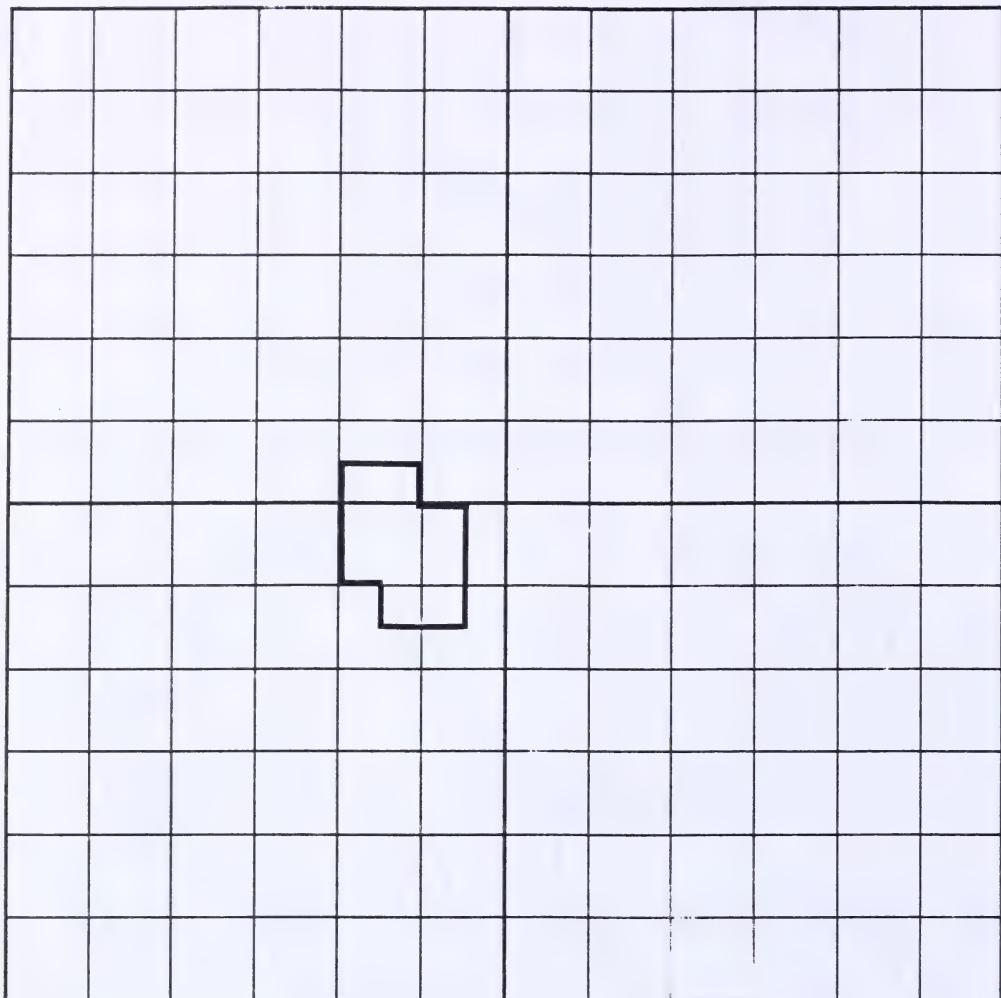
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.15

R.12 W.5 M.



CARROT CREEK CARDIUM 'D' POOL UNIT NO.1



INITIAL EFFECTIVE DATE - 1 APRIL 1988

UNIT OPERATOR - AMOCO CANADA PETROLEUM COMPANY LTD.

CARROT CREEK CARDIUM "F" POOL UNIT NO. 3

Located in the Carrot Creek Field

Unit Operator - Amoco Canada Petroleum Company Ltd.

Initial Effective Date - 1 August 1986

Participation Revised - 1 December 1989

\*Unitized Zone - Cardium Formation

\*Unitized Substance - Petroleum and other hydrocarbons (except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>	
	<u>Before Payout</u>	<u>After Payout</u>
Amoco Canada Petroleum Company Ltd.	51.36380	51.36380
APL Oil and Gas Ltd.	9.29470	9.29470
Canadian Occidental Petroleum Ltd.	3.84140	4.32810
Canadian Roxy Petroleum Ltd.	3.58678	3.58678
Coachwood Resources Ltd.	1.17000	0.73110
Cooperative Energy Development Corporation	0.00000	0.24410
Esso Resources Canada	3.43796	3.43796
Global Natural Resources Canada Ltd.	1.33906	1.33906
Hillcrest Resources Ltd.	0.78000	0.48810
Many Islands Pipe Lines (Canada) Limited	0.74200	0.74200
Novalta Resources Ltd.	1.85600	1.85600
Precambrian Shield Resources Limited	1.40424	1.40424
Sceptre Resources Limited	1.85600	1.85600
Wellore Resources Ltd.	13.56596	13.56596
Westcoast Petroleum Ltd.	5.76210	5.76210
	<u>100.00000</u>	<u>100.00000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.12W5M

--31--	--32--	--33--	--34--	--35--	--36--	
--30--	--29--	--28--	--27--	--26--	--25--	
--19--		--21--		--23--	--24--	
--18--	--17--			--14--	--13--	
--7--	--8--	--9--	--10--	--11--	--12--	
--6--	--5--	--4--	--3--	--2--		

T.52

CARROT CREEK CARDIUM "F" POOL UNIT NO.3



INITIAL EFFECTIVE DATE - 1 AUGUST 1986

UNIT OPERATOR- AMOCO CANADA PETROLEUM COMPANY LTD.

CARROT CREEK CARDIUM "K" UNIT NO. 1

Located in the Carrot Creek and Cyn-Pem Fields

Unit Operator - Esso Resources Canada

Initial Effective Date - 1 December 1987

Participation Revised - 1 August 1989

\*Unitized Zone - Cardium Formation

\*Unitized Substance - Petroleum and other hydrocarbons (except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	7.2779
Amoco Canada Resources Ltd.	7.0078
Canada Northwest Energy Limited	1.8195
Carlyle Energy Ltd.	1.4556
Encor Energy Corporation Inc.	5.3901
Esso Resources Canada	57.0996
Gardiner Oil and Gas Limited	1.8195
Maligne Resources, A Division of DCP Canada Inc.	1.4246
New York Oils Limited	2.9163
TCPL Resources Ltd.	1.9747
Trilogy Resource Corporation	4.3777
Tripet Resources Limited	5.2533
Ulster Petroleums Ltd.	2.1834
	<u>100.0000</u>

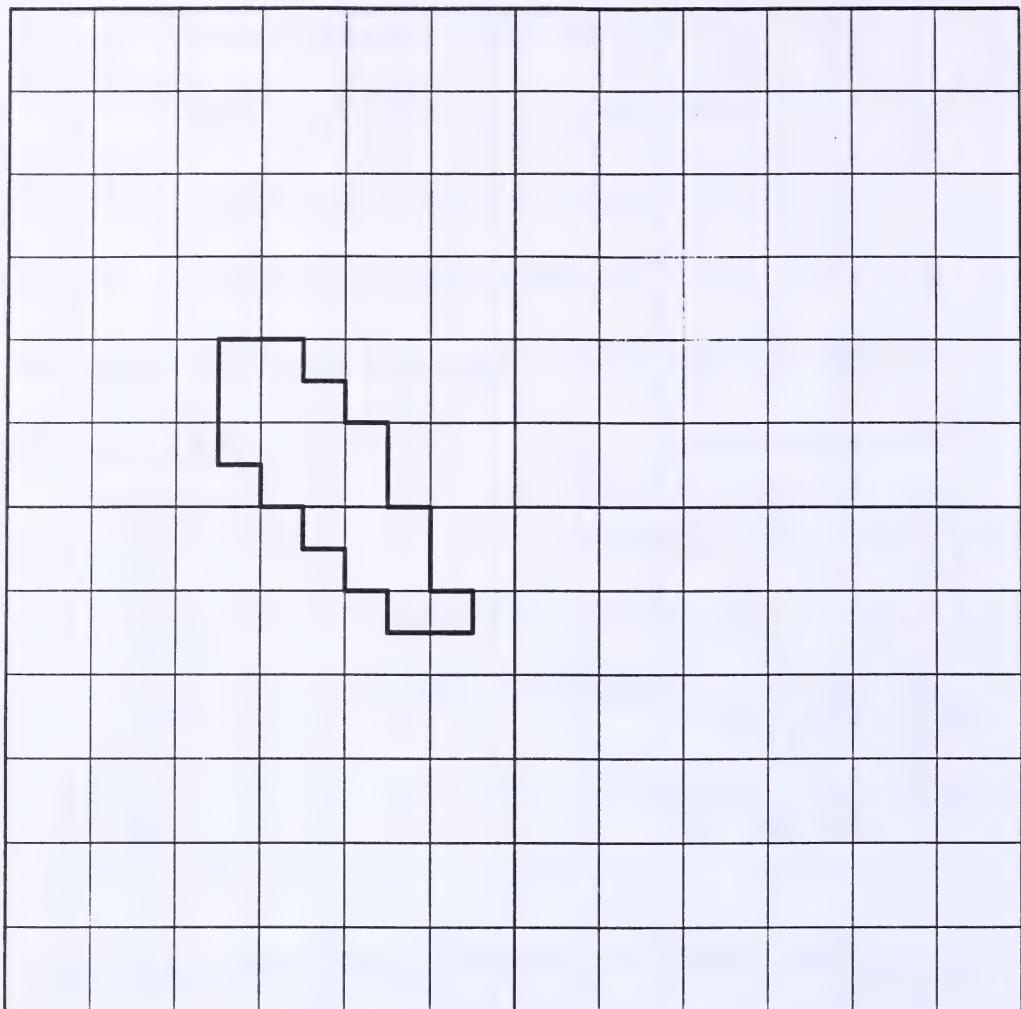
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.13

R.12 W.5M.



CARROT CREEK CARDIUM K UNIT NO.1



INITIAL EFFECTIVE DATE - 1 DECEMBER 1987  
UNIT OPERATOR - ESSO RESOURCES CANADA

CHIGWELL VIKING B UNIT

Located in the Chigwell Field

Unit Operator - Ladd Exploration Company

Initial Effective Date - 1 November 1978

Participation Revised - 1 October 1989

\*Unitized Zone - Viking B Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Canadian Occidental Petroleum Ltd.	2.2048
Dasher Resources Ltd.	3.7611
Esso Resources Canada	18.5552
Fahnestock Viner Holdings Inc.	3.7611
Kelvin Energy Ltd.	15.0447
Ladd Exploration Company	15.0447
Megoil Ltd.	1.8085
New York Oils Limited	15.0447
Norwich Resources Canada Ltd.	5.5341
Placer Cego Petroleum A Division of Placer Dome Inc.	5.5341
Prairie Dog Resources Ltd.	2.4679
202118 Petroleums Ltd.	1.1191
217915 Oil & Gas Ltd.	7.5222
357385 Alberta Ltd.	2.5978
	<hr/>
	100.0000

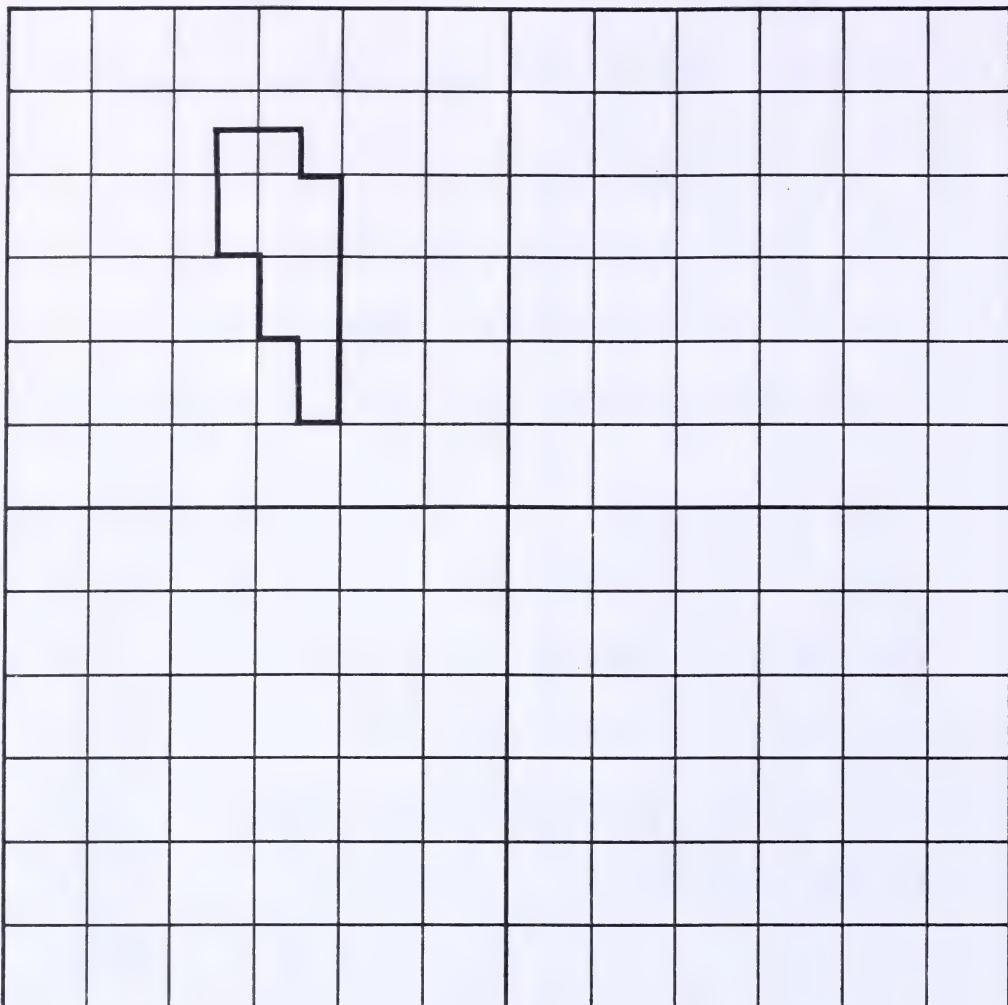
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.25

R.24 W.4 M.



**CHIGWELL VIKING B UNIT**

**ERCB**

**INITIAL EFFECTIVE DATE — 1 NOVEMBER 1978**

**UNIT OPERATOR — LADD EXPLORATION COMPANY**

CHOICE VIKING GAS UNIT NO. 1

Located in the Provost Field

Unit Operator - Amoco Canada Resources Ltd.

Initial Effective Date - 1 December 1976

Participation Revised - 1 November 1989

\*Unitized Zone - Viking Formation

\*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
American Leduc Petroleum Limited	7.69232
Amoco Canada Resources Ltd.	47.86059
Bluewater Oil & Gas Limited	1.92307
Columbia Gas Development of Canada Ltd.	2.59614
Conwest Exploration Company Limited	5.92548
Encor Energy Corporation Inc.	5.76924
J. M. Huber Corporation	1.92308
Norcen Energy Resources Limited	17.30768
Precambrian Shield Resources Limited	3.07692
TCPL Resources Ltd.	5.92548
	<u>100.00000</u>

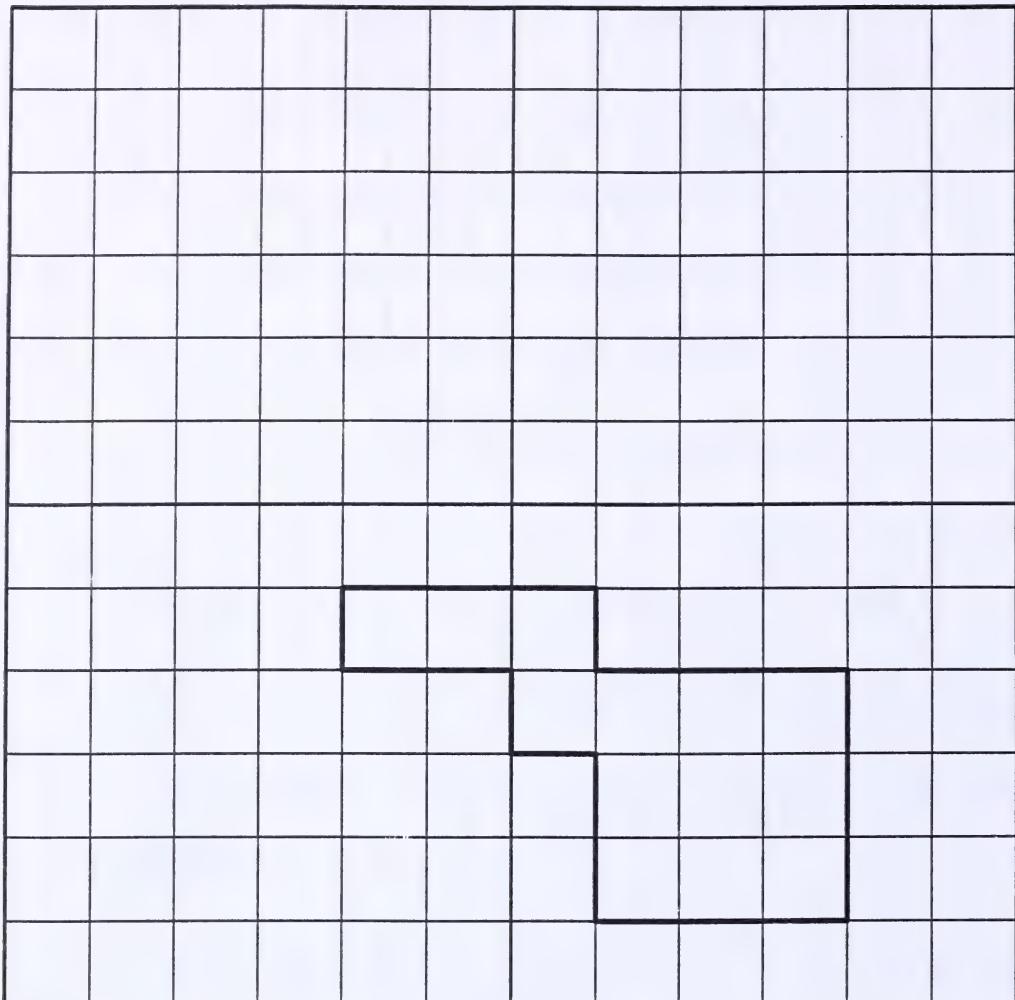
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.10

R.9 W.4M.



**CHOICE VIKING GAS UNIT NO.1**



INITIAL EFFECTIVE DATE- 1 DECEMBER 1976

UNIT OPERATOR-AMOCO CANADA RESOURCES LTD.

CROSSFIELD CARDIUM UNIT NO. 1

Located in the Crossfield Field

Unit Operator - Crescendo Oil & Gas Ltd.

Initial Effective Date - 1 January 1962

Participation Revised - 30 October 1989

\*Unitized Zone - Lower Cardium Formation

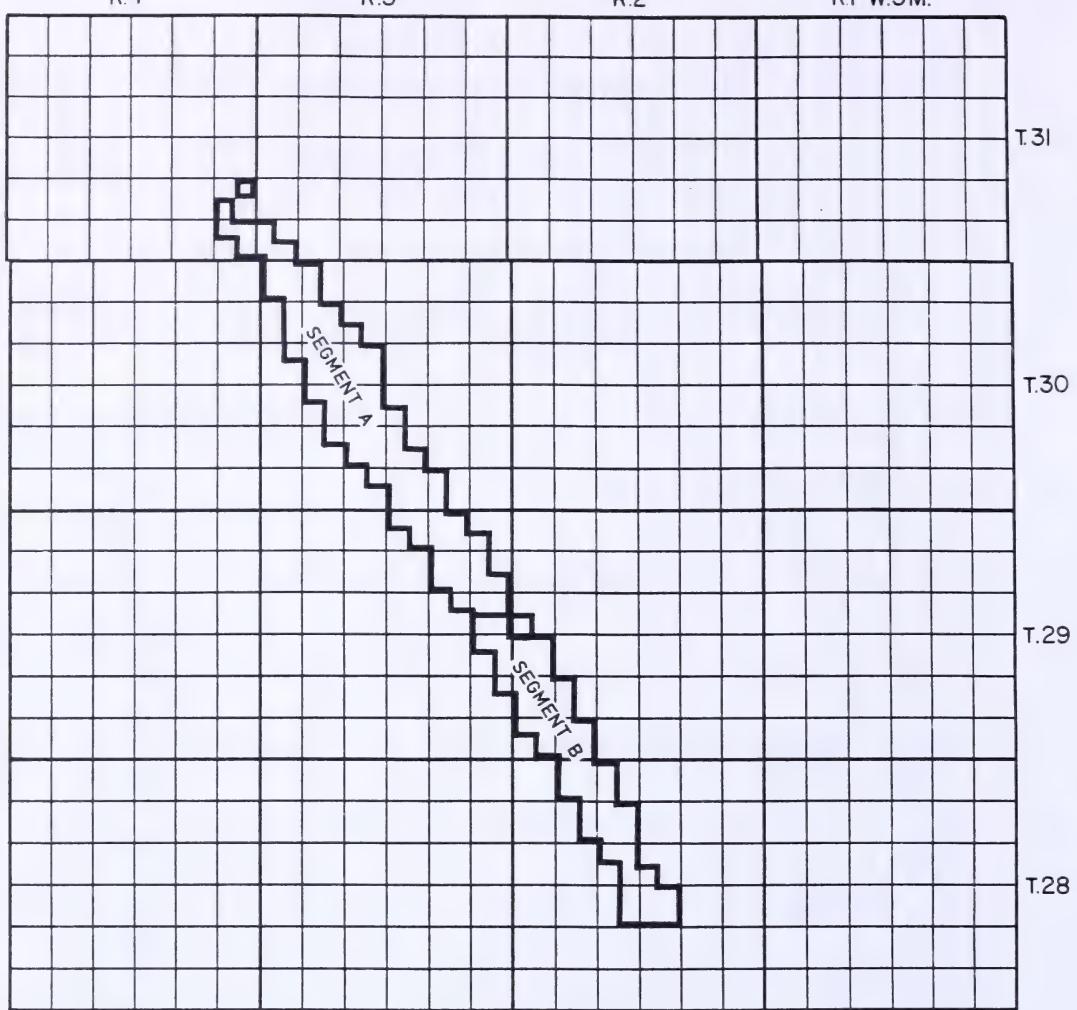
\*Unitized Substance - Crude oil, natural gas, condensate, and other hydrocarbons (except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	7.377600
Black Cat Oil & Gas Ltd.	1.235912
Bow Valley Industries Ltd.	7.415676
Canada NorthWest Energy Limited	0.099293
Canadian Occidental Petroleum Ltd.	2.290806
Coleman, Ruth	0.048564
Crescendo Oil & Gas Ltd.	30.816381
Drever, Josephine A.	0.048564
Drever, William A.	0.097127
Dundee-Palliser Resources Inc.	0.558187
Enerplus Resources Corporation	12.416975
Gardiner Oil and Gas Limited	3.834035
Glenex Industries Inc.	0.198579
Home Oil Company Limited	1.016463
James, H. T.	0.531305
L & M Holdings Ltd.	0.039718
Mobil Oil Canada	6.592875
NCE Oil & Gas (88-1) Ltd.	4.807240
New York Oils Limited	1.181286
Norcen Energy Resources Limited	1.856353
Paddon Hughes Development Co. Ltd.	0.095655
Pipawa Exploration Limited	0.949196
Placer CEGO Petroleum (A Division of Placer Dome Inc.)	5.606957
Ranchmen's Resources Ltd.	0.533221
Scurry-Rainbow Oil Limited	0.872718
Shell Canada Limited	7.734223
Universal Explorations Ltd.	1.075002
Vee Jay Oil Producers Inc.	0.170089
	<u>100.000000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta



CROSSFIELD CARDIUM UNIT NO.1



INITIAL EFFECTIVE DATE - 1 JANUARY 1962

UNIT OPERATOR- CRESCENDO OIL & GAS LTD.

CROSSFIELD CARDIUM UNIT NO. 2

Located in the Crossfield Field

Unit Operator - Crescendo Oil & Gas Ltd.

Initial Effective Date - 1 December 1964

Participation Revised - 30 October 1989

\*Unitized Zone - Cardium Formation

\*Unitized Substance - Petroleum, natural gas, and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	4.402567
Crescendo Oil & Gas Ltd.	48.116966
Esso Resources Canada	6.642811
Esso Resources Canada Limited	8.584691
Gulf Canada Resources Limited	0.821423
Husky Oil Operations Ltd.	2.656599
Mobil Oil Canada	0.580452
NCE Oil & Gas (88-1) Ltd.	0.580185
Norcen Energy Resources Limited	0.122152
Ranger Oil Limited	2.416064
Scurry-Rainbow Oil Limited	3.136940
Shell Canada Limited	11.050525
Total Petroleum Canada Ltd.	3.116113
Ultramar Oil and Gas Canada Limited	7.575226
Unocal Canada Limited	0.197286
	<u>100.000000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.4

R.3

R.2

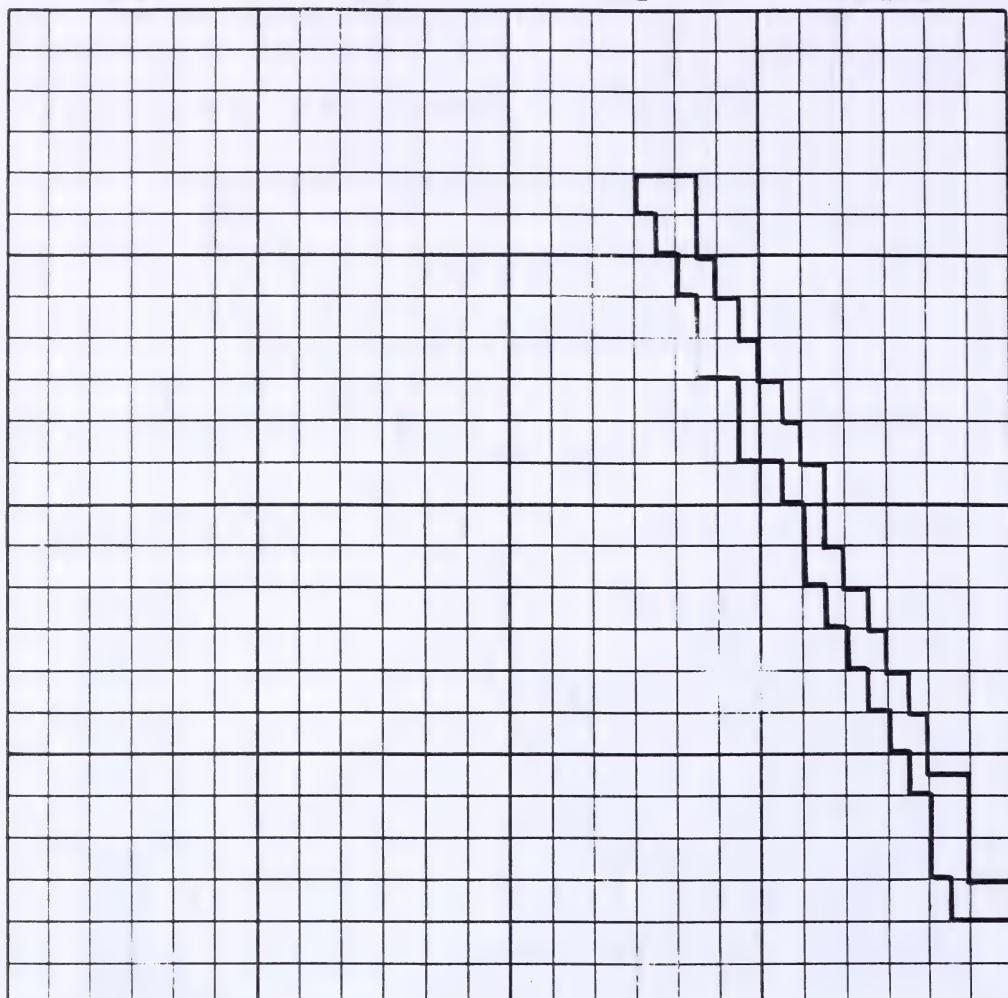
R.1 W5 M.

T.28

T.27

T.26

T.25



CROSSFIELD CARDIUM UNIT NO.2



INITIAL EFFECTIVE DATE - 1 DECEMBER 1964

UNIT OPERATOR - CRESCENDO OIL & GAS LTD.

CROSSFIELD RUNDLE "F" UNIT NO. 1

Located in the Crossfield Field

Unit Operator - Shell Canada Limited

Initial Effective Date - 1 December 1974

Participation Revised - 1 November 1989

\*Unitized Zone - Turner Valley Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Cooperative Energy Development Corporation	8.6230
Esso Resources Canada	12.1756
Headco Exploration Co. Ltd.	10.8062
Lario Oil & Gas Company	16.2429
Mobil Oil Canada	3.1890
Norcen Energy Resources Limited	31.0210
Shell Canada Limited	<u>17.9423</u>
	100.0000

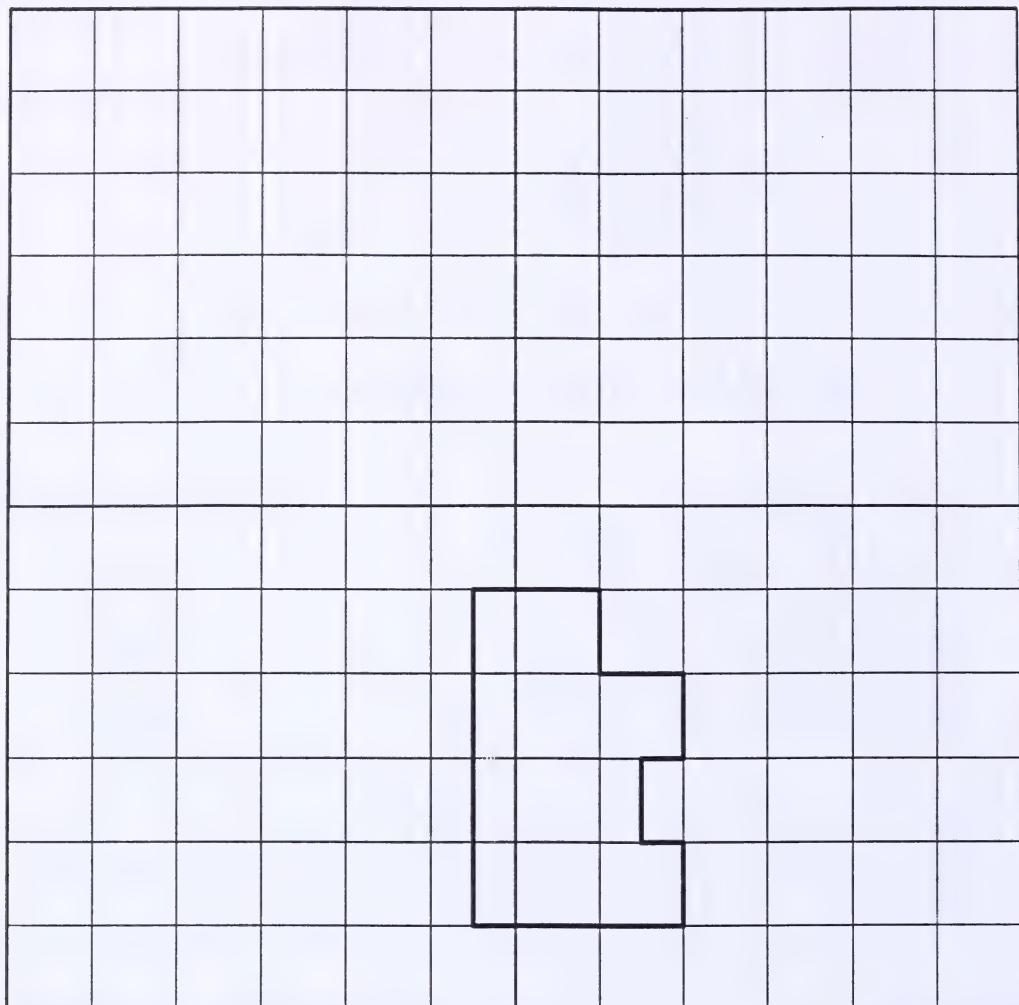
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.2

R.1 W.5M.



CROSSFIELD RUNDLE F UNIT NO.1

INITIAL EFFECTIVE DATE - 1 DECEMBER 1974

UNIT OPERATOR - SHELL CANADA LIMITED

**ERCB**

CROSSFIELD TURNER VALLEY UNIT NO. 1

Located in the Crossfield Field

Unit Operator - Shell Canada Limited

Initial Effective Date - 27 December 1961

Participation Revised - 1 November 1989

\*Unitized Zone - Turner Valley Formation

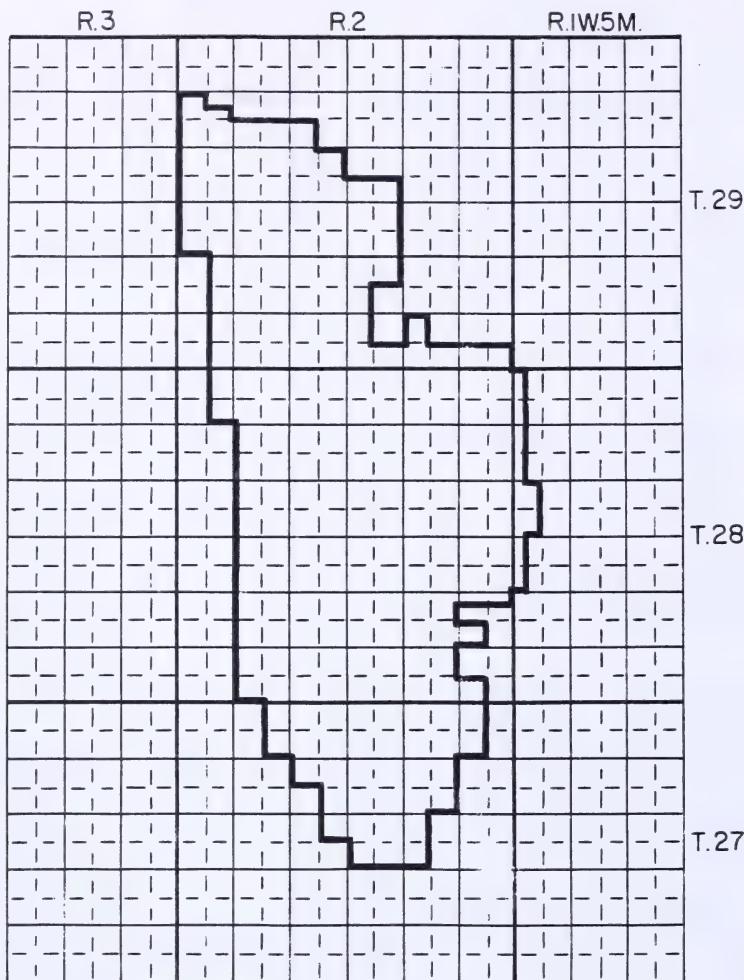
\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	11.98784500
Amoco Canada Resources Ltd.	1.24318000
Bow Valley Industries Ltd.	1.18893370
BP Resources Canada Limited	1.51535000
James L. Collins	0.34199660
Conwest Petroleum Corporation	0.45430750
Enerplus Resources Corporation	7.67753500
Esso Resources Canada Limited	2.36153000
M. M. Gey	0.22799770
John L. Gilleland	0.34399005
Gulf Canada Resources Limited	4.54925500
Harvard International Resources Ltd.	7.67753500
Home Oil Company Limited	1.84369490
Mobil Oil Canada	8.97256770
Norcen Energy Resources Limited	3.74883750
Martha A. Pafford	0.34399005
Pembina Resources Limited	1.18893370
Petro-Canada Inc.	3.10390000
Placer CEGO Petroleum (A Division of Placer Dome Inc.)	0.12016900
Scurry-Rainbow Oil Ltd.	1.91122500
Shell Canada Limited	31.39560100
Barbara Collins Slater	0.34199670
Suncor Inc.	0.82895000
Texaco Canada Petroleum Inc.	2.58310330
The Paddon Hughes Development Co. Ltd.	0.73143000
Unocal Canada Resources	2.86015000
C. R. Zimmerman	0.22799780
J. E. Zimmerman	0.22799780
	<u>100.00000000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta



CROSSFIELD TURNER VALLEY UNIT NO. I

INITIAL EFFECTIVE DATE - DECEMBER 27, 1961

UNIT OPERATOR - SHELL CANADA LIMITED

ERSKINE GAS UNIT NO. 1

Located in the Erskine Field

Unit Operator - Gulf Canada Resources Limited

Initial Effective Date - 1 July 1965

Participation Revised - 1 September 1989

\*Unitized Zone - Basal Blairmore

\*Unitized Substance - Natural gas and other hydrocarbons (except crude oil and coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Alta-Canada Corporation	6.04555
Amoco Canada Resources Ltd.	2.24499
Blair Oil Company	1.64395
Denton Energy Ltd.	0.18322
Enerplus Resources Corporation	0.91341
Esprit Resources Ltd.	0.41281
Esso Resources Canada	5.24072
First Canada Financial Corporation Limited	0.09644
Gulf Canada Resources Limited	38.12635
Harvard International Resources Ltd.	0.91342
Home Oil Company Limited	19.22739
Inter-Rock Oil Company of Canada	0.42408
Inuvialuit Petroleum Corporation	0.06714
Luscar Ltd.	0.21976
Minaki Minerals Ltd.	1.10376
Norcen Energy Resources Limited	12.33999
Scurry-Rainbow Oil Limited	3.67381
Sharata Resources Limited	0.06429
Texaco Canada Inc., a subsidiary of Imperial Oil Limited	0.50653
Total Petroleum Canada Ltd.	3.69608
United Reef Petroleums Limited	0.10454
400016 Alberta Ltd.	2.74677
	<u>100.00000</u>

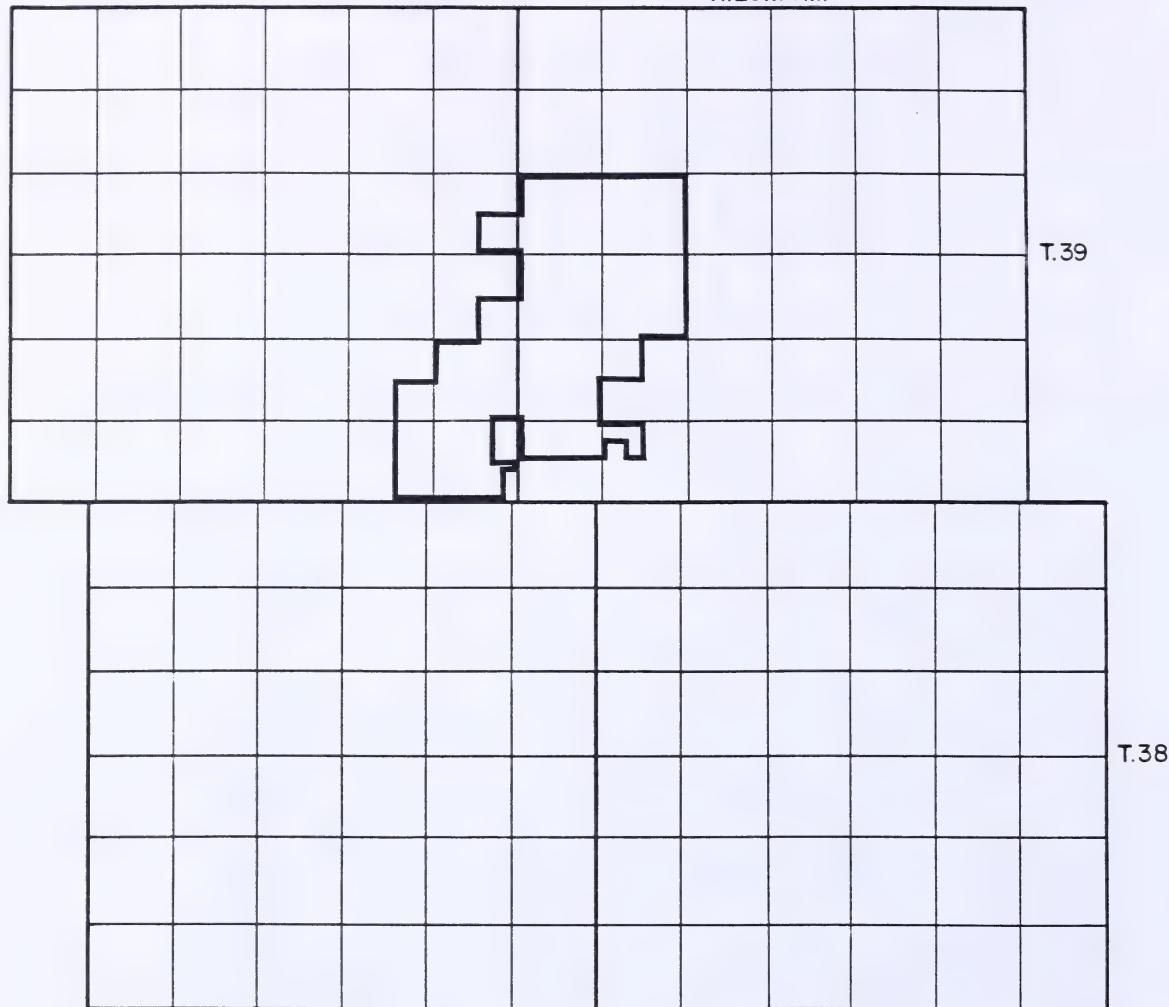
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.21

R.20W.4M.



ERSKINE GAS UNIT NO.1

ERCB

INITIAL EFFECTIVE DATE - 1 JULY 1965

UNIT OPERATOR - GULF CANADA RESOURCES LIMITED

FENN-BIG VALLEY VIKING GAS UNIT NO. 1

Located in the Fenn-Big Valley and Fenn West Fields

Unit Operator - Gulf Canada Resources Limited

Initial Effective Date - 1 May 1980

Participation Revised - 1 September 1989

\*Unitized Zone - Viking Formation

\*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Adeco Drilling and Engineering Co. Ltd.	0.25935
Albert Allison c/o Laventhal & Horvath	0.94778
Amoco Canada Resources Ltd.	1.46506
Anned Resources Ltd.	0.12965
Bellport Resources Ltd.	0.02899
Carbon Resources Limited Partnership	0.04055
**Claymore Minerals Ltd.	1.96275
Corexcana Ltd.	0.49817
Danjolyn Resources Ltd.	0.02898
Encor Energy Corporation Inc.	1.29600
Enerplus Resources Corporation	2.16995
Esso Resources Canada	2.87665
Esso Resources Canada Limited	1.19709
First Calgary Petroleum Ltd.	0.57293
Gulf Canada Resources Limited	24.75658
Carolyn M. Harris	0.00500
Husky Oil Operations Ltd.	1.27690
J. M. Huber Corporation	0.68010
Kerr-McGee Corporation	2.31238
Lario Oil & Gas Company	3.03792
Lintus Resources Ltd.	0.08500
Mohawk Oil Co. Ltd.	4.43753
Gail F. Moulton Jr.	0.00499
Willis R. Moulton	0.00499
Nicolas Gas & Oil Ltd.	2.13342
Oriole Energy Eastern Ltd.	1.97385
Pacific Enterprises Oil Company (Netherlands)	0.99634
PanCanadian Petroleum Limited	22.38722

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Penn West Petroleum Ltd.	0.00172
Pensionfund Energy Resources Limited	2.36945
Petrorep (Canada) Ltd.	0.49818
Phillips Petroleum Canada Ltd.	0.48030
Ranger Oil Limited	9.70105
Restech Canada Holdings Limited	0.35107
Shell Canada Limited	2.10300
Teepee Petroleum Ltd.	1.97385
Venwest Resources Limited	2.16995
Western D'Eldona Resources Limited	1.42167
Westmin Resources Limited	0.03268
212082 Holdings Ltd.	0.02898
343508 Alberta Ltd.	1.30198
	<u>100.00000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

\*\*In Receivership with Deloitte Haskins & Sells Limited (as Receiver Manager)

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.22

R.21

R.20

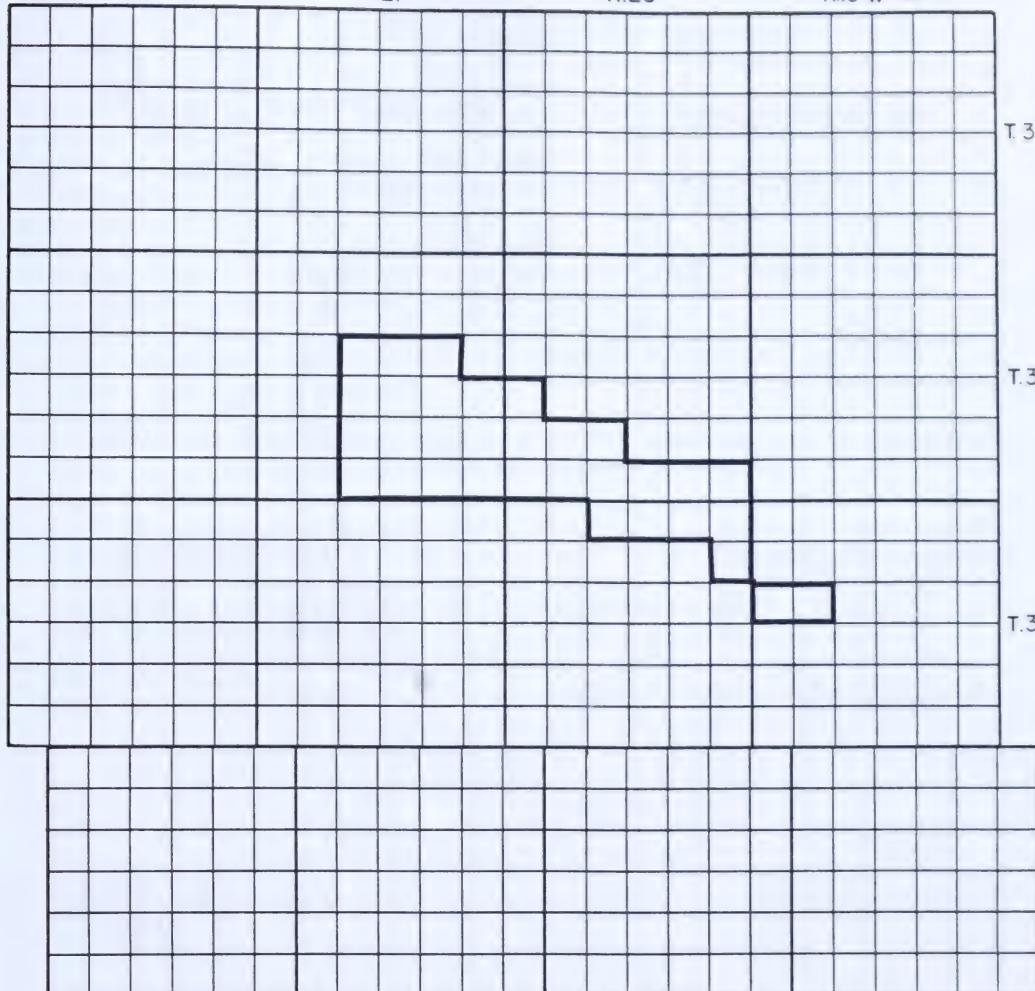
R.19 W4 M

T.37

T.36

T.35

T.34



FENN-BIG VALLEY VIKING GAS UNIT NO.1



INITIAL EFFECTIVE DATE - 1 MAY 1980

UNIT OPERATOR - GULF CANADA RESOURCES LIMITED



FERRIER CARDIUM UNIT 3

Located in the Ferrier Field

Unit Operator - Amerada Minerals Corporation of Canada Ltd.

Initial Effective Date - 1 January 1970

Participation Revised - 1 October 1989

\*Unitized Zone - Cardium Formation

\*Unitized Substance - Crude oil, natural gas condensate and other hydrocarbons (except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amerada Minerals Corporation of Canada Ltd.	54.906772
Amoco Canada Resources Ltd.	0.625136
Canadian Occidental Petroleum Ltd.	2.010989
Mobil Oil Canada	42.457103
	<u>100.000000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

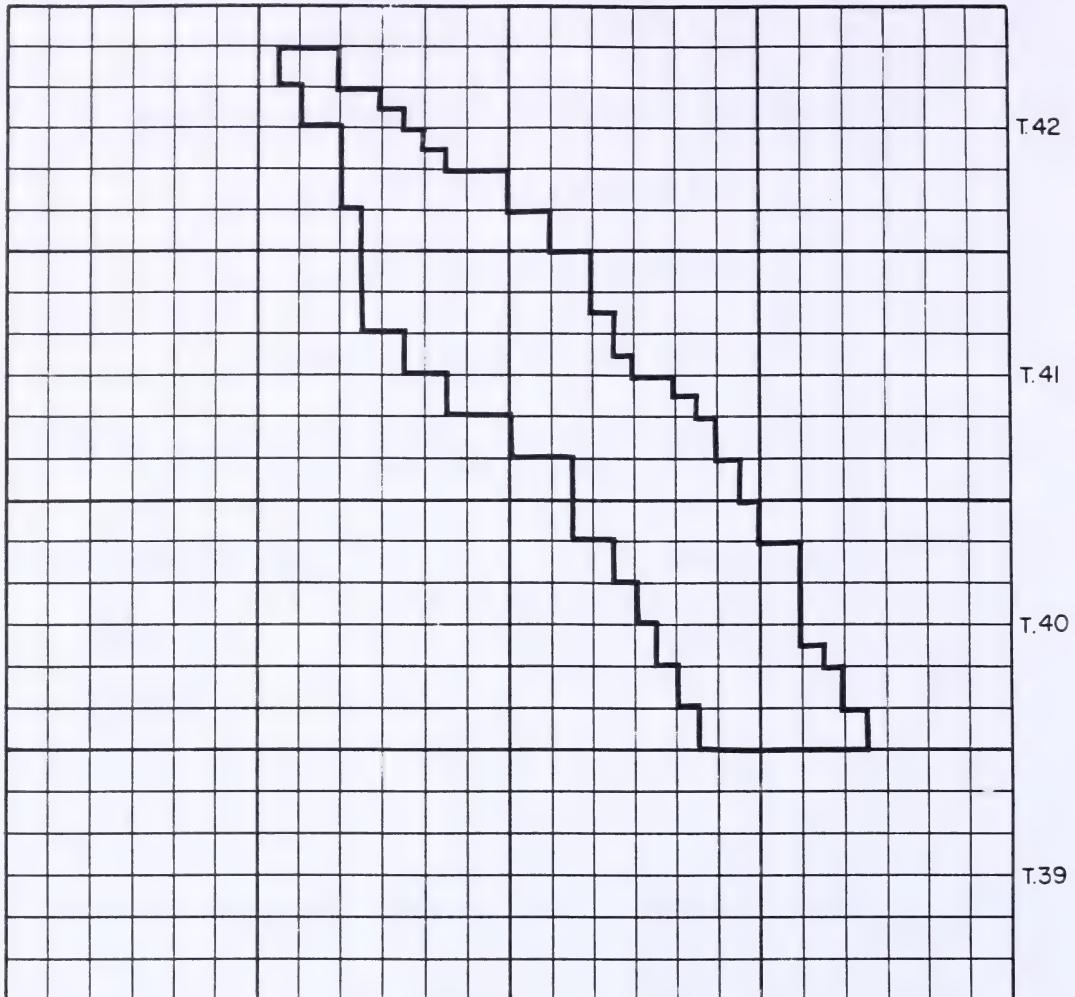
ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.10

R.9

R.8

R.7 W5 M



FERRIER CARDIUM UNIT 3

INITIAL EFFECTIVE DATE - 1 JANUARY 1970

UNIT OPERATOR-AMERADA MINERALS CORPORATION OF CANADA LTD.

ERCB

GOLD CREEK WABAMUN GAS UNIT NO. 1

Located in the Gold Creek Field

Unit Operator - Petro-Canada Inc.

Initial Effective Date - 1 November 1970

Participation Revised - 1 September 1989

\*Unitized Zone - Wabamun Formation

\*Unitized Substance - Natural Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Enerplus Resources Corporation	32.46534
Norcen Energy Resources Limited	1.03633
Petro-Canada Inc.	46.63500
Scurry-Rainbow Oil Limited	19.86333
	<u>100.00000</u>

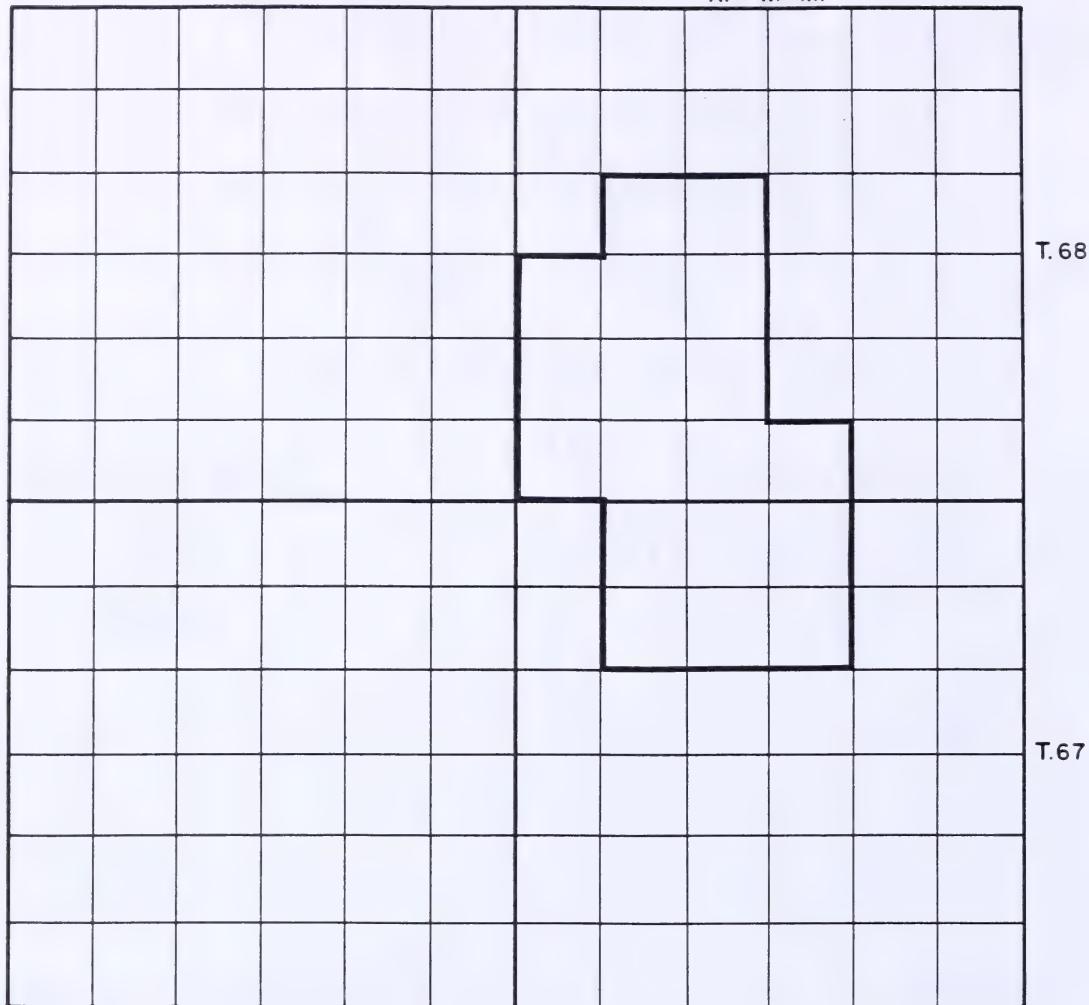
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.5

R.4 W.6 M.



GOLD CREEK WABAMUN GAS UNIT NO.1



INITIAL EFFECTIVE DATE - 1 NOVEMBER 1970

UNIT OPERATOR - PETRO-CANADA INC.

HANLAN SWAN HILLS POOL GAS UNIT NO. 1

Located in the Hanlan Field

Unit Operator - Gulf Canada Resources Limited

Initial Effective Date - 1 July 1988

Participation Revised - 1 November 1989

\*Unitized Zone - Swan Hills Member

\*Unitized Substance - Natural gas and associated substances

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amerada Minerals Corporation of Canada Ltd.	4.474000
Amoco Canada Petroleum Company Ltd.	0.008500
Amoco Canada Resources Ltd.	1.250200
Columbia Gas Development of Canada Ltd.	0.111900
Conwest Exploration Company Limited	0.135900
Dena Resources Ltd.	0.002500
Gulf Canada Resources Limited	24.927000
Hamilton Brothers Canadian Gas Company Ltd.	5.312000
Home Oil Company Limited	1.800000
PanCanadian Petroleum Limited	2.785000
Petro-Canada Inc.	53.881000
Union Pacific Resources Inc.	5.312000
	<u>100.000000</u>

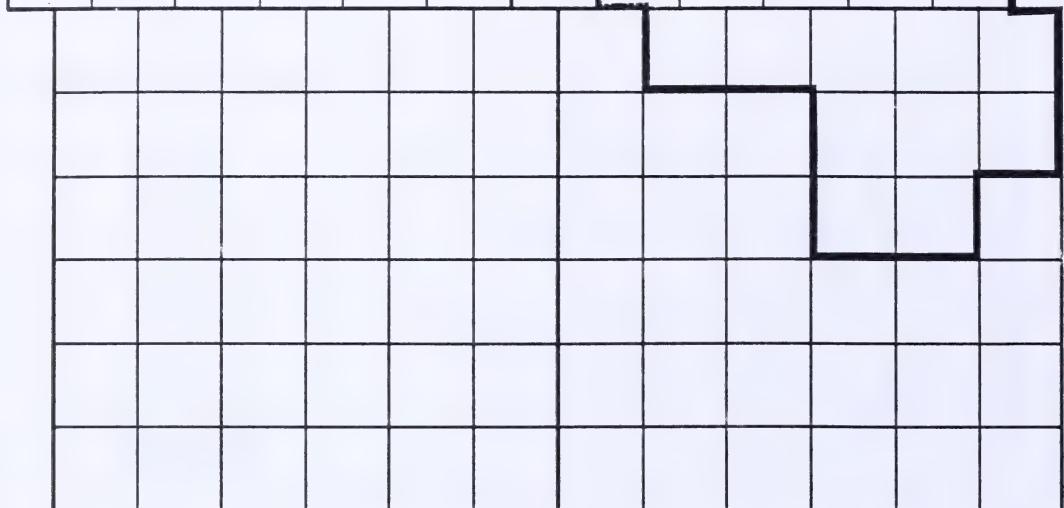
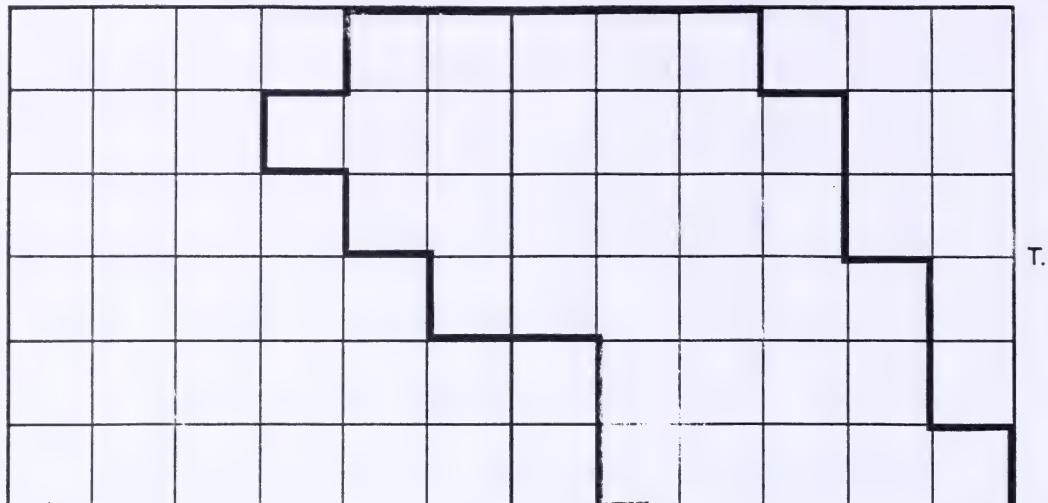
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.18

R.17W.5 M.



HANLAN SWAN HILL POOL GAS UNIT No. 1

ERCB

INITIAL EFFECTIVE DATE - 1 JULY 1988

UNIT OPERATOR - GULF CANADA RESOURCES LIMITED

HOLDEN VIKING GAS UNIT NO. 3

Located in the Viking-Kinsella Field

Unit Operator - AEC Oil and Gas Company, A Division of  
Alberta Energy Company Ltd.

Initial Effective Date - 26 March 1976

Participation Revised - 1 November 1989

\*Unitized Zone - Viking Formation

\*Unitized Substance - Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
AEC Oil and Gas Company, A Division of Alberta Energy Company Ltd.	14.74922
Amoco Canada Resources	20.88985
Bruce Developments Ltd.	18.43653
Coseka Resources Limited	7.37459
Enerplus Resources Corporation	17.60354
Gardiner Oil and Gas Limited	3.68730
Maligne Resources Limited	0.30081
Petro-Canada Inc.	5.91341
Sceptre Resources Limited	1.55364
Vanguard Energy Corporation	<u>9.49111</u>
	100.00000

\*For a complete definition of unitized zones and substances  
see Unit Documents.

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.15

R.14

R.13

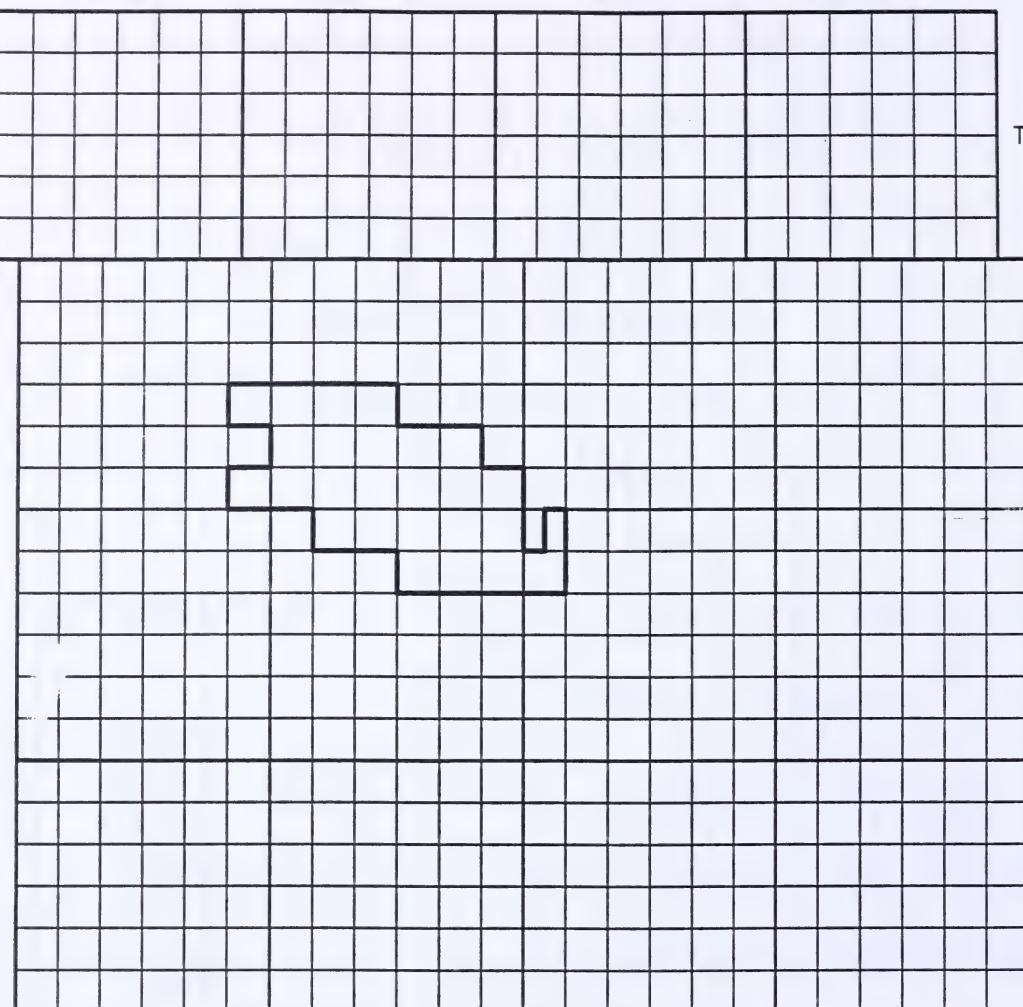
R.12 W.4M.

T.51

T.50

T.49

T.48



**HOLDEN VIKING GAS UNIT NO.3**



INITIAL EFFECTIVE DATE - 26 MARCH 1976

UNIT OPERATOR - AEC OIL AND GAS COMPANY

A DIVISION OF ALBERTA ENERGY COMPANY LTD.

HOUSE MOUNTAIN UNIT NO. 1

Located in the Swan Hills Field

Unit Operator - Shell Canada Limited

Initial Effective Date - 1 February 1966

Participation Revised - 1 December 1989

\*Unitized Zone - Swan Hills Member

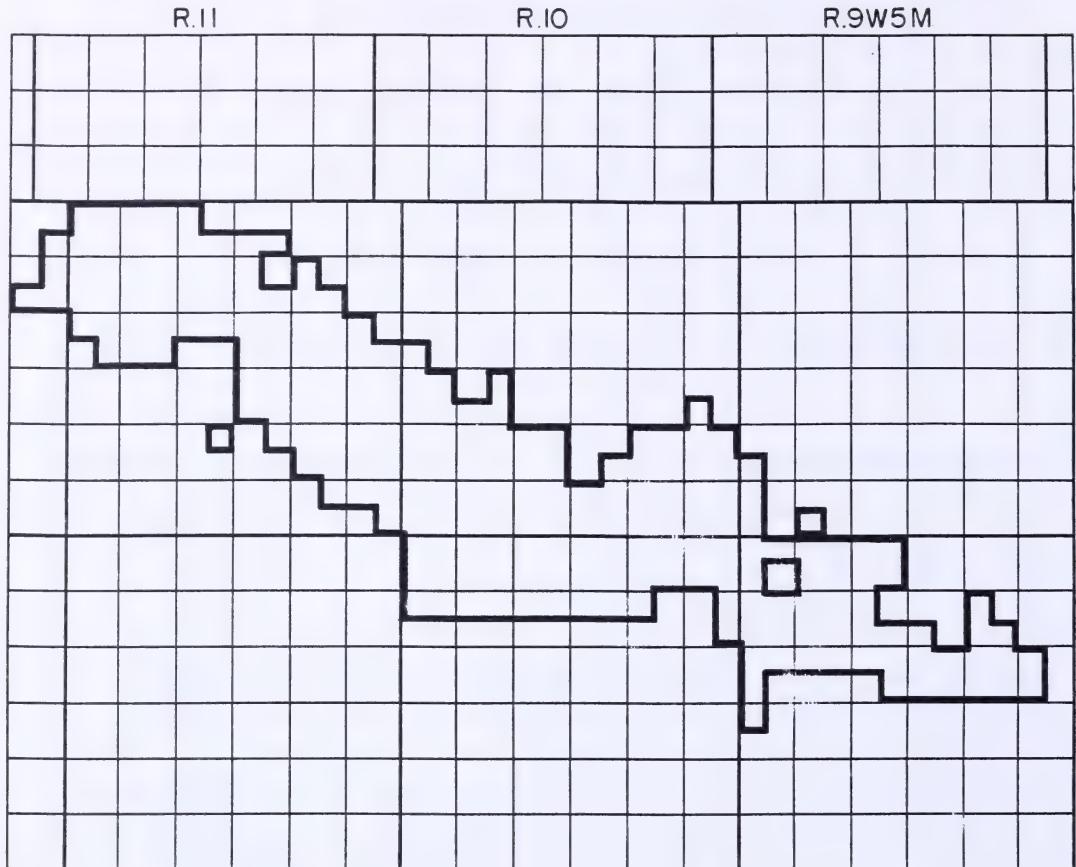
\*Unitized Substance - Petroleum natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	15.271997
Amoco Canada Resources Ltd.	1.798678
Chevron Canada Resources	24.514267
Denison Mines Limited	2.595789
Enerplus Resources Corporation	0.435267
Esso Resources Canada	0.134421
Esso Resources Canada Limited	1.138623
Husky Oil Operations Ltd.	0.178475
MLC Oil and Gas Ltd.	0.250768
Murphy Oil Company Limited	4.004382
Petro-Canada Inc.	16.028833
Shell Canada Limited	33.213233
Venwest Resources Limited	0.435267
	<u>100.000000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta



HOUSE MOUNTAIN UNIT NO. I

INITIAL EFFECTIVE DATE - FEBRUARY 1, 1966

UNIT OPERATOR - SHELL CANADA LIMITED

INNISFAIL LEDUC REEF UNIT

Located in the Innisfail Field

Unit Operator - Shell Canada Limited

Initial Effective Date - 1 November 1960

Participation Revised - 1 November 1989

\*Unitized Zone - Leduc Reef

\*Unitized Substance - Crude oil, natural gas, condensate and all other hydrocarbons (except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	22.3535
Chevron Canada Resources	2.2560
Encor Energy Corporation Inc.	0.1595
Esso Resources Canada	0.3865
Esso Resources Canada Limited	10.4546
Gulf Canada Resources Limited	2.5263
Mobil Oil Canada	33.1989
Petro-Canada Inc.	3.2916
Samedan Oil of Canada Limited	0.3811
Shell Canada Limited	22.6499
The Paddon Hughes Development Co. Ltd.	0.9150
Unocal Canada Resources	1.2356
William John Edgar	0.1915
	<u>100.0000</u>

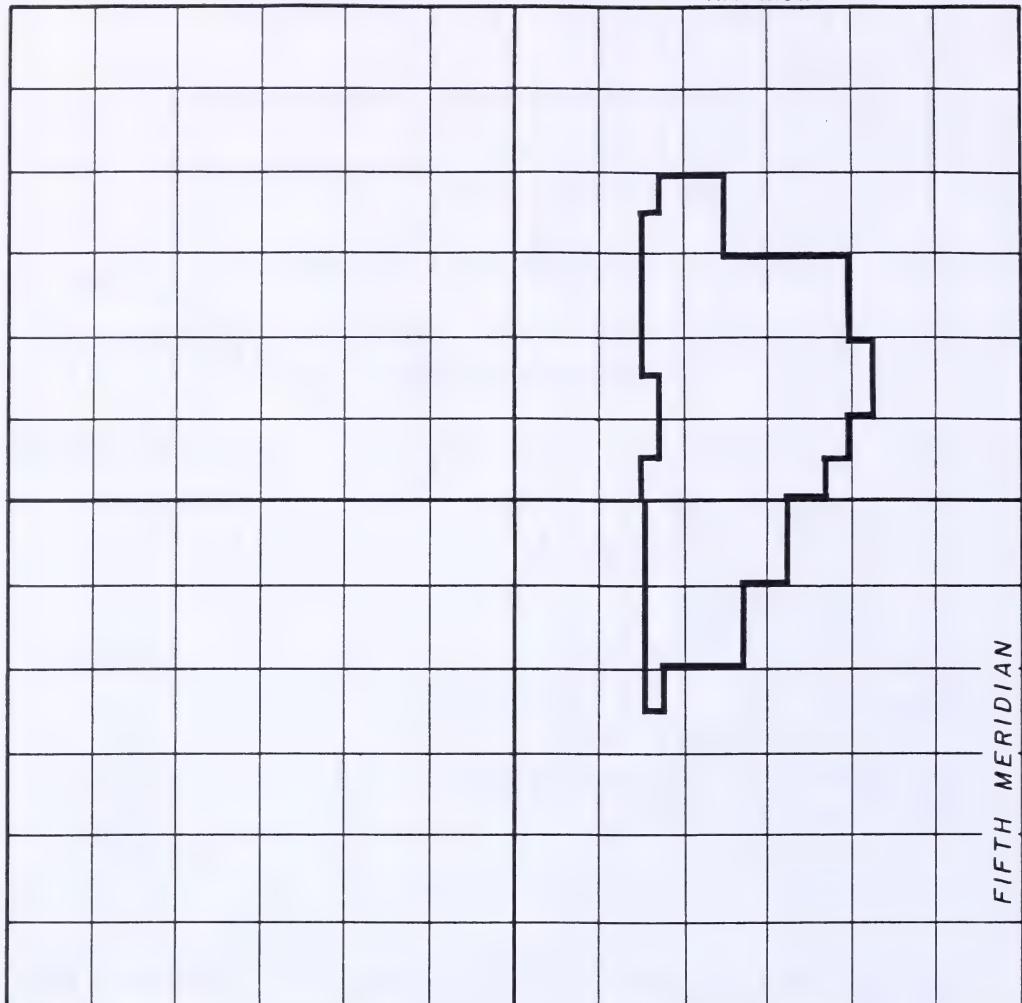
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.2

R. I W.5M.



FIFTH MERIDIAN

T.34

T.35

INNISFAIL LEDUC REEF UNIT

ERCB

INITIAL EFFECTIVE DATE - 1 NOVEMBER 1960

UNIT OPERATOR- SHELL CANADA LIMITED

JOFFRE D-2 UNIT NO. 1

Located in the Joffre Field

Unit Operator - Esso Resources Canada Limited

Initial Effective Date - 1 November 1969

Participation Revised - 1 October 1989

\*Unitized Zone - Nisku Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	6.07823
Balmer Enterprises Inc.	0.20226
Canada Northwest Energy Limited	0.48280
Caroline Petroleums (1985) Ltd.	0.15688
Chair Holdings Limited	3.96651
Chevron Canada Resources	18.99677
Daisy Oils Ltd.	0.47296
Enerplus Resources Corporation	0.07932
Esso Resources Canada	2.80375
Esso Resources Canada Limited	28.60011
Gardiner Oil and Gas Limited	0.12203
Gulf Canada Resources Limited	1.98518
Mobil Oil Canada	8.29427
New York Oils Limited	0.40203
Norcen Energy Resources Limited	2.75344
Petro-Canada Inc.	7.70335
Ranger Oil Limited	2.51793
Scurry-Rainbow Oil Limited	0.41111
Shell Canada Limited	4.32411
Suncor Inc.	7.18575
Total Petroleum Canada Ltd.	1.54280
Unocal Canada Limited	0.91841
	100.00000

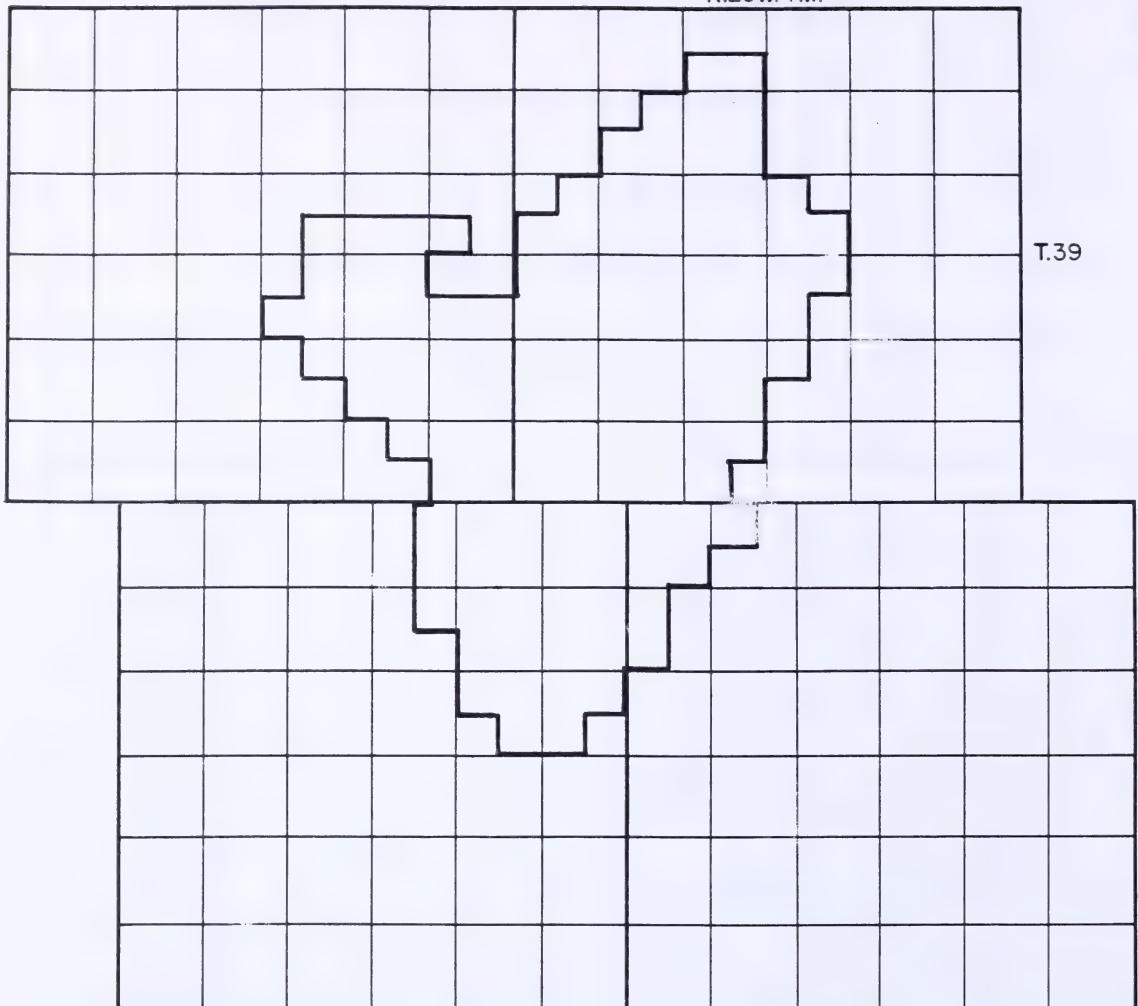
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.27

R.26W.4M.



JOFFRE D-2 UNIT NO. I

ERCB

INITIAL EFFECTIVE DATE - 1 NOVEMBER 1969

UNIT OPERATOR- ESSO RESOURCES CANADA LIMITED

JUDY CREEK BEAVERHILL LAKE UNIT

Located in the Judy Creek Field

Unit Operator - Esso Resources Canada Limited

Initial Effective Date - 1 November 1962

Participation Revised - 1 December 1989

\*Unitized Zone - Swan Hills Member of the Beaverhill Lake Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>	
	<u>Interim</u>	<u>Final</u>
Acquifund Resources Limited	1.18956	1.107150
DeKalb Energy Canada Ltd.	1.48696	0.782330
Esso Resources Canada Limited	97.32348	98.110520
	100.00000	100.00000

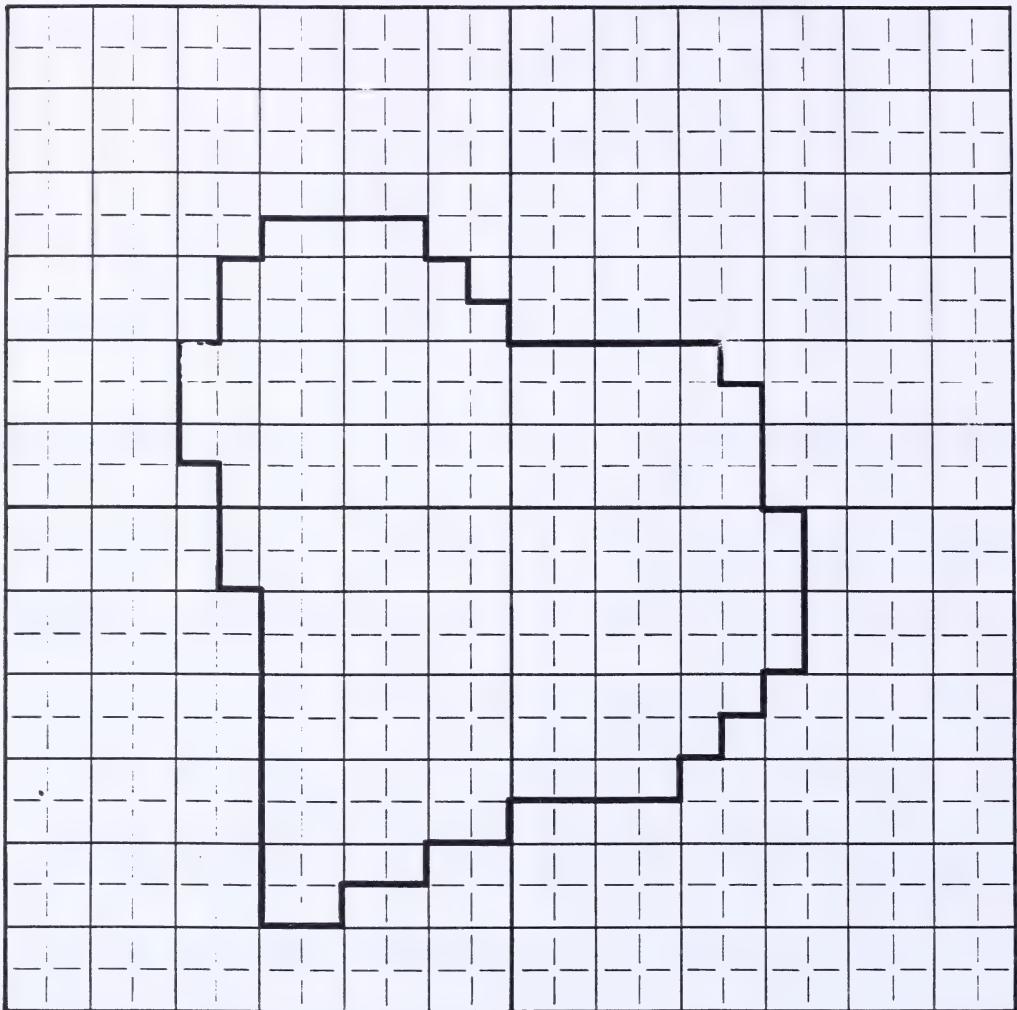
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.11

R.IOW.5M.



## JUDY CREEK BEAVERHILL LAKE UNIT

INITIAL EFFECTIVE DATE - NOVEMBER 1, 1962

UNIT OPERATOR-ESSO RESOURCES CANADA LIMITED

JUDY CREEK WEST BEAVERHILL LAKE UNIT

Located in the Judy Creek Field

Unit Operator - Esso Resources Canada Limited

Initial Effective Date - 1 June 1964

Participation Revised - 1 December 1989

\*Unitized Zone - Swan Hills Member of the Beaverhill Lake Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Esso Resources Canada	5.10526
Esso Resources Canada Limited	89.47639
Murphy Oil Company Ltd.	1.61686
Suncor Inc.	3.80149
	<u>100.00000</u>

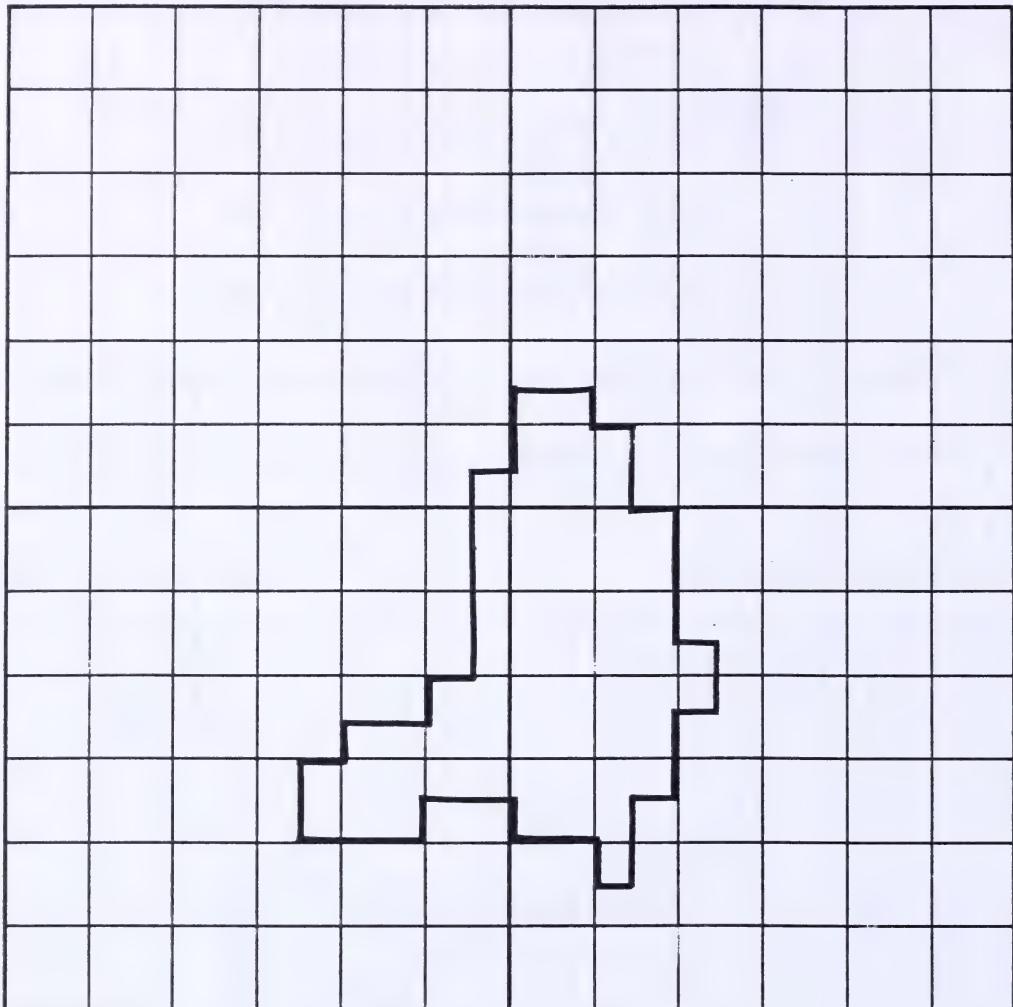
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.12

RIIW.5 M.



JUDY CREEK WEST BEAVERHILL LAKE UNIT



INITIAL EFFECTIVE DATE - 1 JUNE 1964

UNIT OPERATOR - ESSO RESOURCES CANADA LIMITED

KAYBOB SOUTH BEAVERHILL LAKE GAS UNIT NO. 3

Located in the Kaybob South Field

Unit Operator - Chevron Canada Resources

Initial Effective Date - 23 January 1970

Participation Revised - 1 November 1989

\*Unitized Zone - Beaverhill Lake Formation

\*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	18.097478
Amoco Canada Resources Ltd.	17.348315
Chevron Canada Recources	46.892132
DEKALB Energy Canada Ltd.	0.110055
Hamilton Brothers Canadian Gas Company Ltd.	0.110055
Mobil Oil Canada	10.220263
Petro-Canada Inc.	<u>7.221702</u>
	<u>100.0000000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

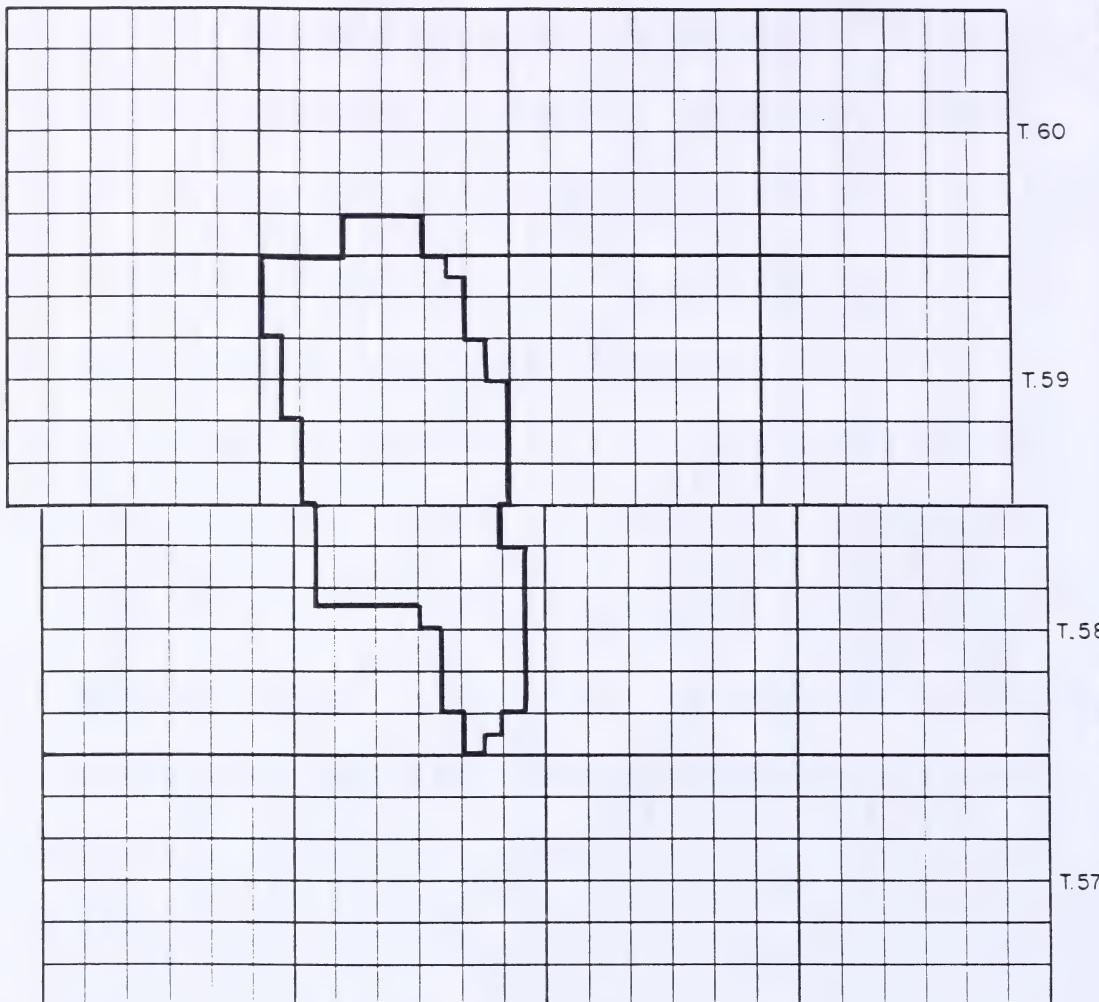
ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.19

R.18

R.17

R.16 W5 M



**KAYBOB SOUTH BEAVERHILL LAKE GAS UNIT NO.3**



INITIAL EFFECTIVE DATE - 23 JANUARY 1970

UNIT OPERATOR - CHEVRON CANADA RESOURCES

LATHOM GAS UNIT NO. 1

Located in the Countess Field

Unit Operator - PanCanadian Petroleum Limited

Initial Effective Date - 1 October 1972

Participation Revised - 1 June 1989

\*Unitized Zone - Upper Mannville Sandstone & Lower Bow Island Sandstone

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	1.41019
Norcen Energy Resources Limited	30.30924
PanCanadian Petroleum Limited	68.28057
	<u>100.00000</u>

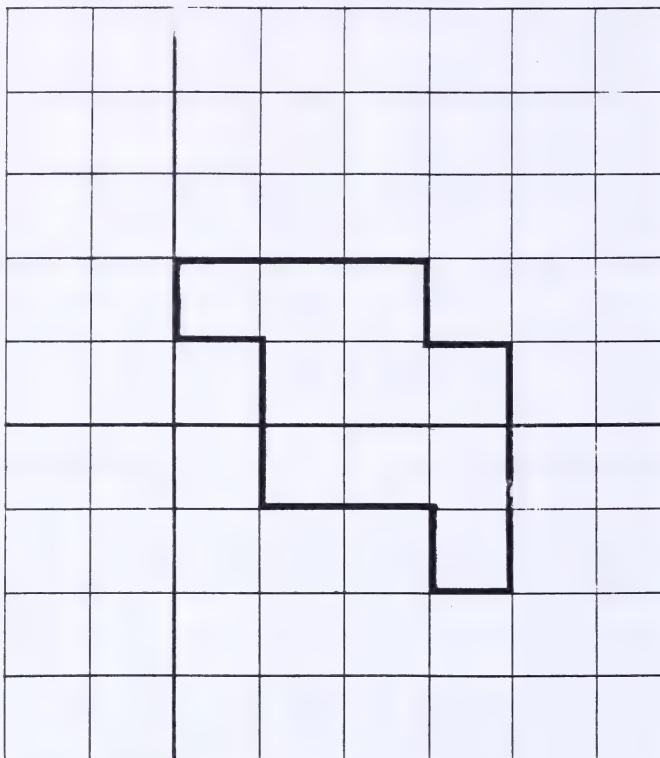
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.18

R.17W4



T.21

T20

**LATHOM GAS UNIT NO.1**

**INITIAL EFFECTIVE DATE OCTOBER 1, 1972**

**UNIT OPERATOR - PANCANADIAN PETROLEUM LIMITED**

LEDUC-WOODBEND D-3 UNIT

Located in the Leduc-Woodbend Field

Unit Operator - Esso Resources Canada Limited

Initial Effective Date - 1 October 1960

Participation Revised - 1 December 1989

\*Unitized Zone - Leduc (D-3) Unit Formations

\*Unitized Substance - Crude oil, natural gas, condensate and all other hydrocarbons (except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	2.4507550
Bankeno Resources Limited	0.0029147
Canadian Superior Oil Ltd.	0.8614885
Canterra Energy Limited	0.4500324
Centipede Holdings Ltd.	0.4500324
Chair Holdings Limited	1.3447115
Chevron Canada Resources	0.0690604
Encor Energy Corporation Inc.	0.2146458
Enerplus Resources Corporation	0.1572862
Esso Resources Canada Limited	82.1989265
B. H. Gaboury Holdings Ltd.	0.0129910
Bernard Hemsing	0.0046316
Home Oil Company Limited	3.7839568
Morrison Petroleum Ltd.	0.0129910
Mutual Holdings Limited & Associates	0.1726292
Nevada Oil & Gas Ltd.	0.0081193
Norcen Energy Resources Limited	
Norcen, Western Properties	0.0034971
Norcen	2.1556083
Normandie Resource Corporation	2.1591054
NV Resources Corporation Ltd.	0.0684711
Orbit Oil & Gas Ltd.	0.0081193
PanCanadian Petroleum Limited	0.0032478
Passburg Petroleum Ltd.	0.2351348
Petro-Canada Inc.	0.2146457
	1.3245826

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Sereda Oils Ltd.	0.4338449
Shell Canada Limited	2.4851117
Triple Three Triple Nine Resources Ltd.	0.0066876
Ulster Petroleum Ltd.	0.2949521
Venwest Resources Ltd.	0.1572863
Yeske Petroleum Ltd.	0.4006474
286535 Alberta Ltd.	0.0129910
	<u>100.0000000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.27

R.26

R.25

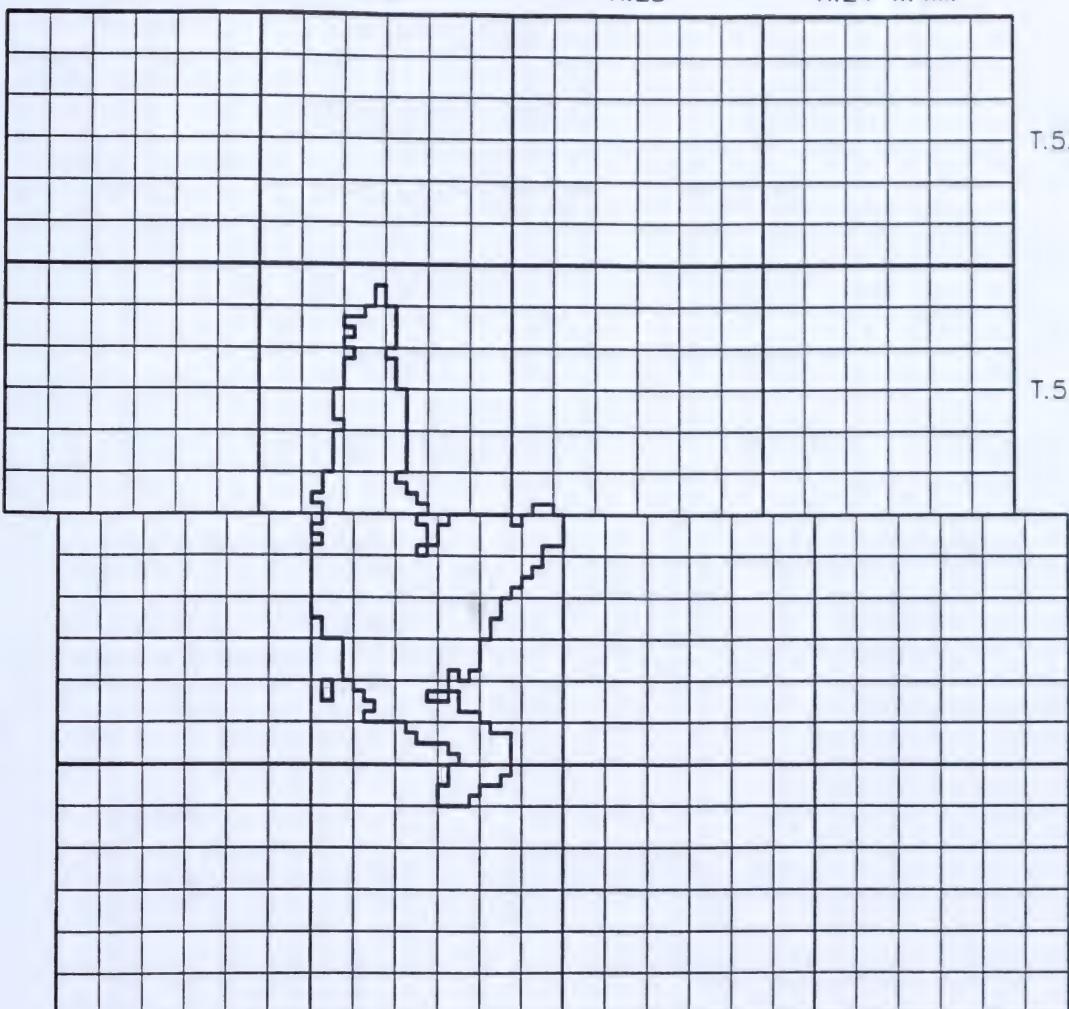
R.24 W.4M.

T.52

T.51

T.50

T.49



LEDUC-WOODBEND D-3 UNIT

ERCB

INITIAL EFFECTIVE DATE - 1 OCTOBER 1960

UNIT OPERATOR - ESSO RESOURCES CANADA LIMITED



LITTLE BOW UPPER MANNVILLE "U" AND "W" UNIT

Located in the Little Bow Field

Unit Operator - Coseka Resources Limited

Initial Effective Date - 1 July 1985

Participation Revised - 1 October 1989

\*Unitized Zone - Upper Mannville Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

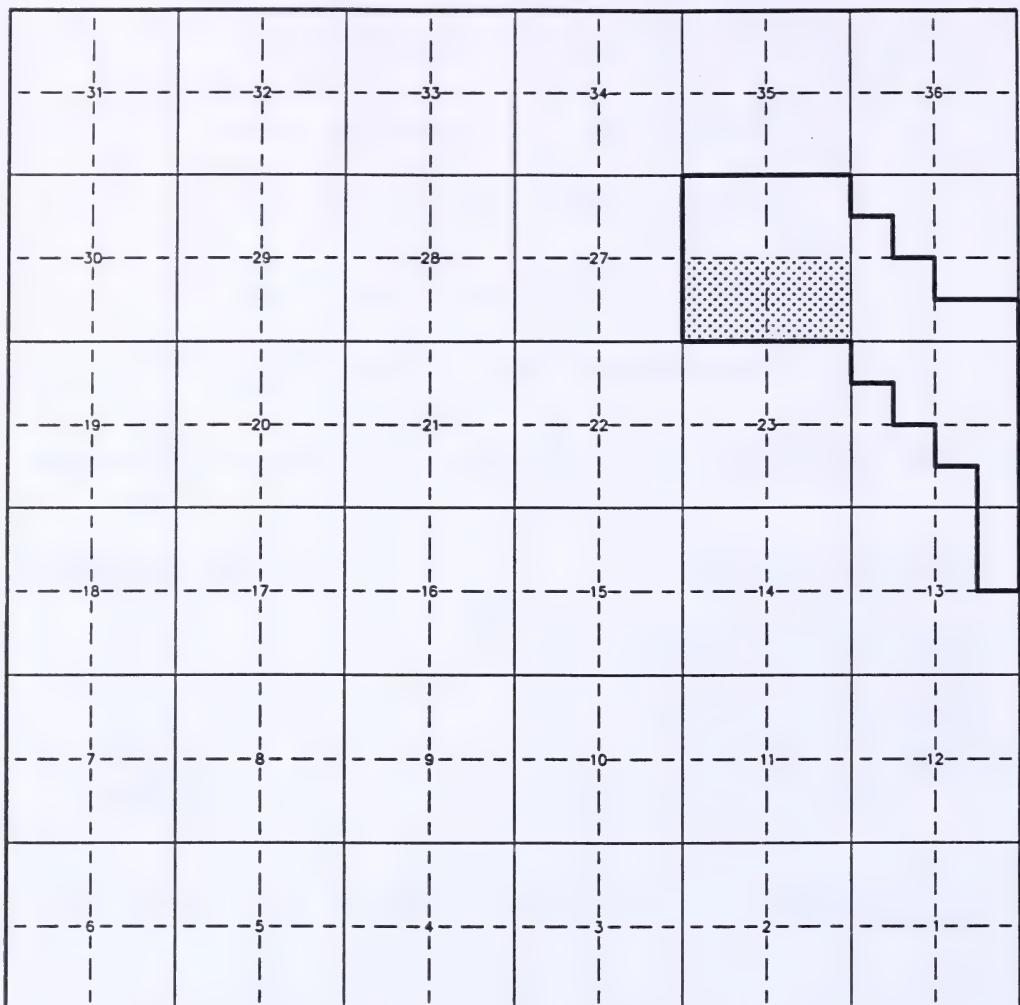
<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Limited	2.83216
Benedum-Trees Oil Company	9.63940
Canadian Cardium Oils Limited	4.89030
Coseka Resources Limited	58.45780
GJS Resources Ltd.	6.20166
Premier Resources Ltd.	15.65398
Total Petroleum Canada Ltd.	2.32470
	<u>100.00000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.19 W.4M.



LITTLE BOW UPPER MANNVILLE U & W UNIT



INITIAL EFFECTIVE DATE - 1 JULY 1985

UNIT OPERATOR - COSEKA RESOURCES LIMITED

AREA OF CHANGE



LOBSTICK GAS UNIT NO. 1

Located in the Pembina Field

Unit Operator - Amoco Canada Petroleum Company Ltd.

Initial Effective Date - 1 April 1974

Participation Revised - 1 November 1989

\*Unitized Zone - Glauconitic Sandstone Formation, Basal Quartz Formation and Upper Blairmore Formation

\*Unitized Substance - Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	54.775379
BP Resources Canada Limited	2.992398
Canadian Occidental Petroleum Ltd.	14.402603
Enron Oil Canada Ltd.	0.305407
Esso Resources Canada	8.101362
Esso Resources Canada Limited	1.016185
Felmont Oil Corporation	0.104754
Mobil Oil Canada	1.117986
Petro-Canada Inc.	8.206235
Shell Canada Limited	8.977191
	<u>100.000000</u>

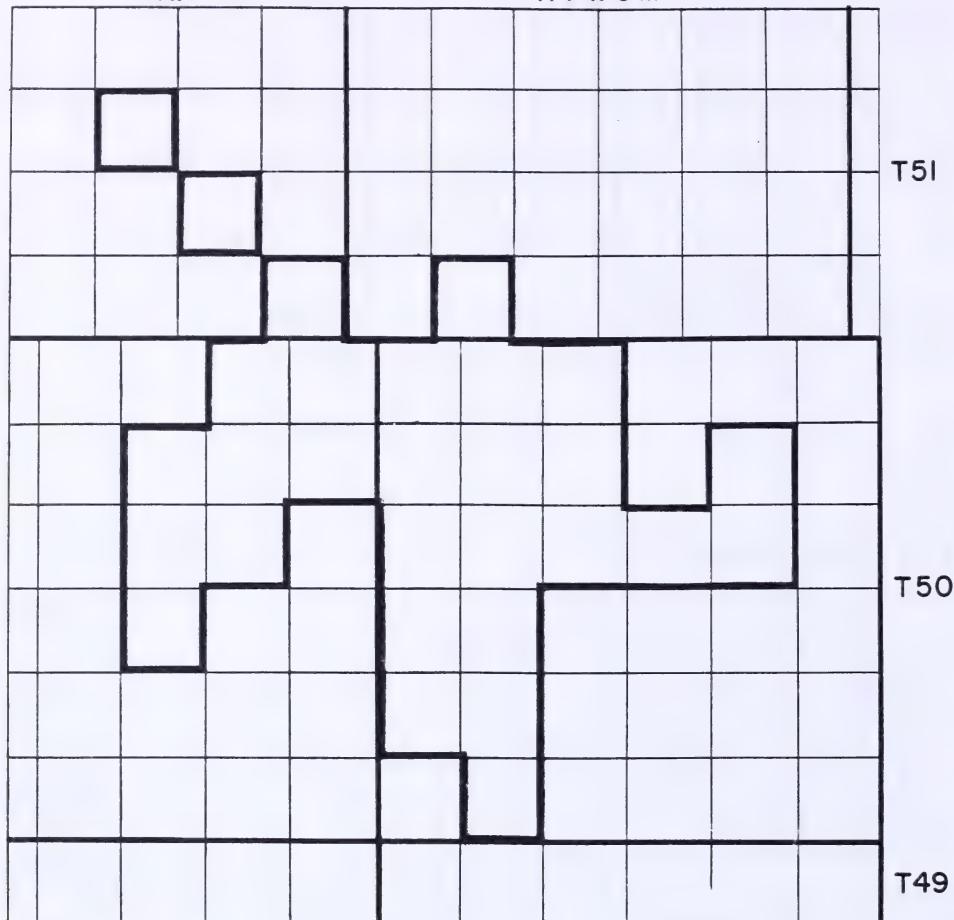
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.8

R 7 W 5 M



LOBSTICK GAS UNIT NO. I

INITIAL EFFECTIVE DATE — APRIL 1, 1974.

UNIT OPERATOR — AMOCO CANADA PETROLEUM COMPANY LTD.

MAZEPPA CROSSFIELD UNIT NO. 1

Located in the Okotoks Field

Unit Operator - Canadian Occidental Petroleum Ltd.

Initial Effective Date - 1 August 1986

Participation Revised - 1 December 1989

\*Unitized Zone - Crossfield Member

\*Unitized Substance - Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Adeco Drilling and Engineering Co. Ltd.	0.697564
Amerada Minerals Corporation of Canada Ltd.	18.961309
American Eagle Petroleums Ltd.	0.904763
Canadian Occidental Petroleum Ltd.	50.798514
Canpar Holdings Ltd.	0.195636
Dome Petroleum Limited	2.111676
Eagle Resources Ltd.	1.055557
Enerplus Resources Corporation	0.452382
J. M. Huber Corporation	18.809630
Passburg Petroleums Ltd.	5.560587
Venwest Resources Limited	0.452382
	<u>100.000000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

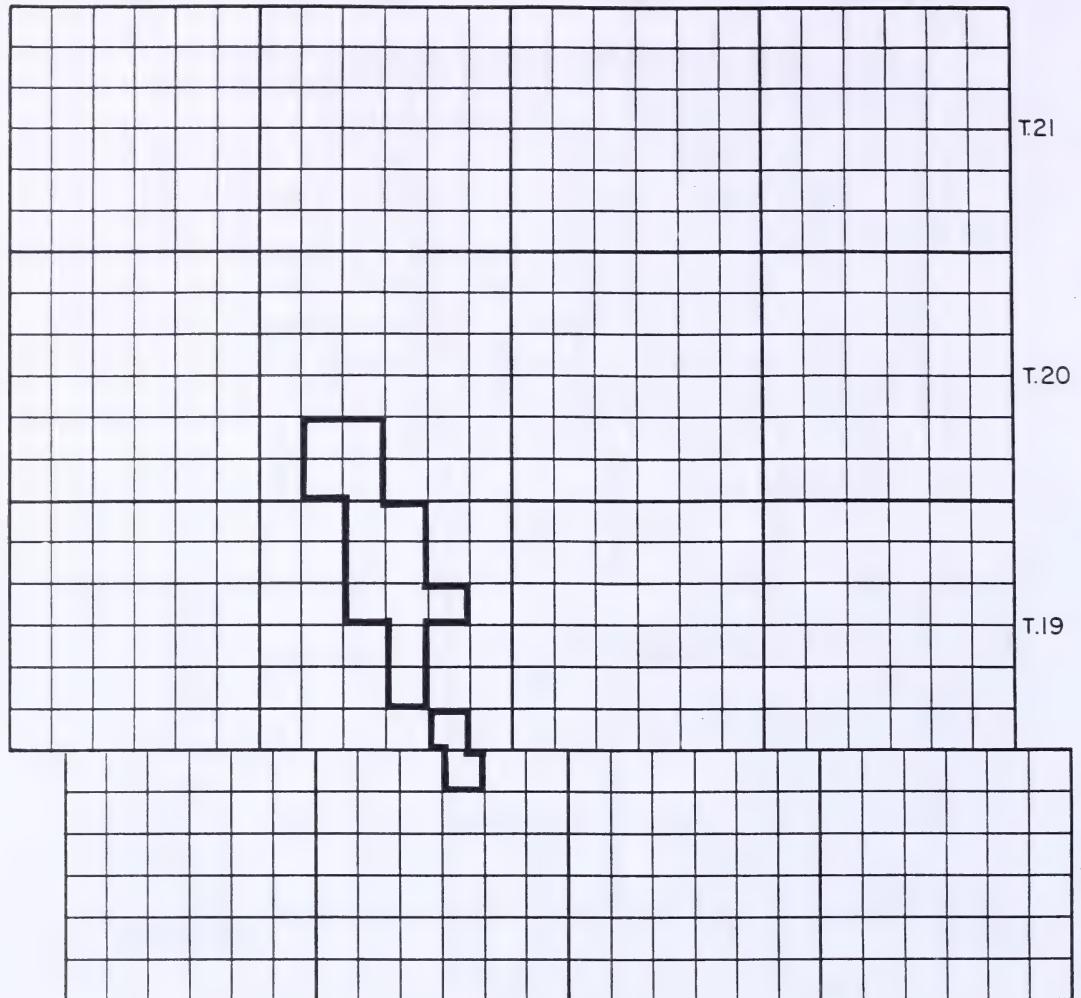
ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.29

R.28

R.27

R.26W4 M



**MAZEPPA CROSSFIELD UNIT NO.1**

**ERCB**

**INITIAL EFFECTIVE DATE - 1 AUGUST 1986**

**UNIT OPERATOR- CANADIAN OCCIDENTAL PETROLEUM LTD.**

MEDICINE RIVER UNIT NO. 3

Located in the Medicine River Field

Unit Operator - Amoco Canada Resources Ltd.

Initial Effective Date - 1 May 1967

Participation Revised - 1 November 1989

\*Unitized Zone - Jurassic "D" Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	17.3690300
BP Resources Canada Limited	4.2176200
Gulf Canada Resources Limited	9.0114600
Kerr-McGee Canada Ltd.	3.7073500
Luscar Ltd.	6.9245100
Muirfield Petroleum Corporation	0.4703865
Norcen Energy Resources Limited	6.9245200
PanCanadian Petroleum Limited	5.4989600
Pembina Resources Limited	6.9245200
Pengrowth Resource Corporation	8.9373435
Petro-Canada Inc.	8.8819500
Prairie Oil Royalties Company, Ltd.	0.5102500
Suncor Inc.	20.6221000
	<u>100.0000000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.3 W.5M.

- - - 31 - - -	- - - 32 - - -	- - - 33 - - -			- - - 35 - - -	- - - 36 - - -	
- - - 30 - - -	- - - 29 - - -	- - - 28 - - -	- - - 27 - - -	- - - 26 - - -	- - - 25 - - -		
- - - 19 - - -	- - - 20 - - -	- - - 21 - - -	- - - 22 - - -	- - - 23 - - -	- - - 24 - - -		
- - - 18 - - -	- - - 17 - - -	- - - 16 - - -	- - - 15 - - -	- - - 14 - - -	- - - 13 - - -		
- - - 7 - - -	- - - 8 - - -	- - - 9 - - -			- - - 11 - - -	- - - 12 - - -	
- - - 6 - - -	- - - 5 - - -	- - - 4 - - -	- - - 3 - - -	- - - 2 - - -			

T.39

MEDICINE RIVER UNIT NO.3



INITIAL EFFECTIVE DATE - 1 MAY 1967

UNIT OPERATOR - AMOCO CANADA RESOURCES LTD.

MEDICINE RIVER UNIT NO. 4

Located in the Medicine River Field

Unit Operator - Pembina Resources Limited

Initial Effective Date - 1 April 1987

Participation Revised - 1 October 1989

\*Unitized Zone - Ostracod Formation

\*Unitized Substance - Petroleum, natural gas, other hydrocarbons (except coal), raw gas, and condensate

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amerada Minerals Corporation of Canada Ltd.	0.551496
Amoco Canada Petroleum Company Ltd.	2.062847
Amoco Canada Resources Ltd.	2.207942
ATCOR Ltd.	7.166206
Barnwell of Canada Limited	3.034804
Bow Valley Industries Ltd.	0.164741
Bowtex Energy Ltd.	0.087706
Canadian Roxy Petroleum Ltd.	0.916721
Candor Investments Ltd.	0.656093
Caroline Petroleums (1985) Ltd.	0.312631
Centipede Holdings Ltd.	1.453460
Chevron Canada Resources	3.427217
Cheyenne Petroleum Corporation	3.234774
Cooperative Energy Development Corporation	3.819450
Copetrex Oil & Gas Co. Ltd. (Sixth Program)	0.217953
Copetrex Oil & Gas Co. Ltd. (Seventh Program)	0.217952
Czar Resources Ltd.	0.363367
Enerplus Resources Corporation	3.954224
EMB Management Consultants Ltd.	0.013959
Glenex Industries Inc.	3.024108
Gulf Canada Resources Limited	1.525584
Hartwell Management Ltd.	0.032749
Harvard International Resources Ltd.	0.365729
HXC Corporation	0.247111
InterKann Gas Ltd.	0.413751
Kerr-McGee Corporation	3.054025
Lario Oil & Gas Company	2.672782
Leddy Exploration Limited	0.444470
Mobil Oil Canada	5.275976
Robert L. McNamara Leaseholds Ltd.	0.038129

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
R W Mitten Enterprises Ltd.	0.937893
Oakwood Petroleums Ltd.	1.857925
Orbit Oil & Gas Ltd.	0.456184
The Paddon Hughes Development Co. Ltd.	6.591820
PanCanadian Petroleum Limited	1.306314
Pembina Resources Limited	13.079223
Petro-Canada Inc.	0.272910
Prairie Oil Royalties Company, Ltd.	1.872400
Que West Resources Ltd.	0.027919
Royal Trust Energy Resources II Corporation	1.782297
Sabre Energy Ltd.	1.337357
Sceptre Resources Limited	6.539612
Seapoint Holdings Ltd.	0.457162
Siegert, Rudolf	0.019119
Sylvan Lake Gas Unit No. 2 as represented by the Sylvan Lake Gas Unit No. 2 Operator	11.2010 <sup>-2</sup>
Thornton Petrophysical Interpretations Ltd.	0.075227
Treasure Oil Exploration Ltd.	0.037613
Universal Explorations Ltd.	0.758665
WWC Ventures Ltd.	0.381361
	<hr/>
	100.000000

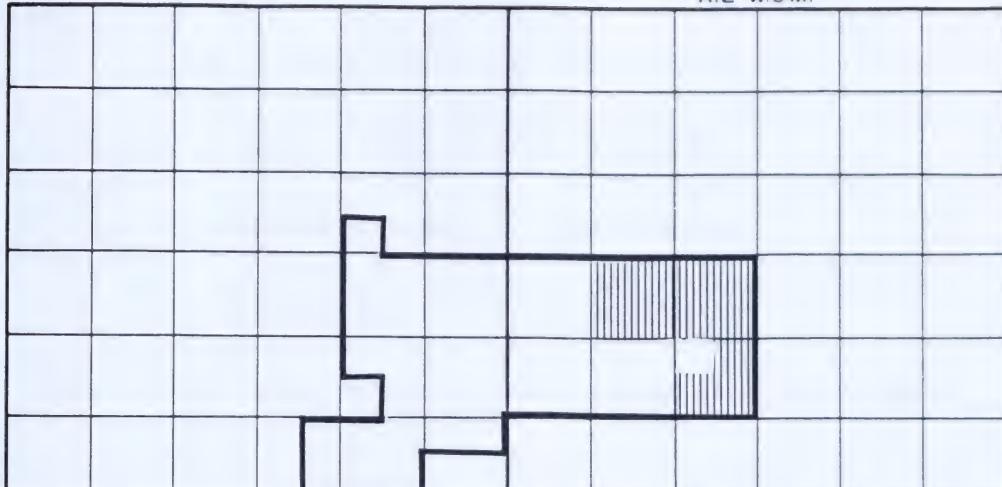
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.3

R.2 W.5M.



T.39

T.38

**MEDICINE RIVER UNIT NO.4**

**ERCB**

**INITIAL EFFECTIVE DATE -1 APRIL 1987**

**UNIT OPERATOR- PEMBINA RESOURCES LIMITED**

**UNITIZED SUBSTANCE: PETROLEUM, NATURAL GAS AND  
OTHER HYDROCARBONS (EXCEPT COAL)**



**RAW GAS AND CONDENSATE**





MEEKWAP D-2A UNIT NO. 1

Located in the Meekwap Field

Unit Operator - Gulf Canada Resources Limited

Initial Effective Date - 1 May 1974

Participation Revised - 1 October 1989

\*Unitized Zone - Nisku (D-2A) Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Gulf Canada Resources Limited	30.711088
J. M. Huber Corporation	4.820512
I.C.G. Resources Ltd.	8.513290
Mobil Oil Canada	10.229770
Oakwood Petroleums Ltd.	13.727882
PanCanadian Petroleum Ltd.	10.396934
Placer Development Ltd.	3.580418
Procan Exploration Company Limited	1.534466
Samedan Oil of Canada, Inc.	13.727880
Shell Canada Limited	2.757760
	<u>100.000000</u>

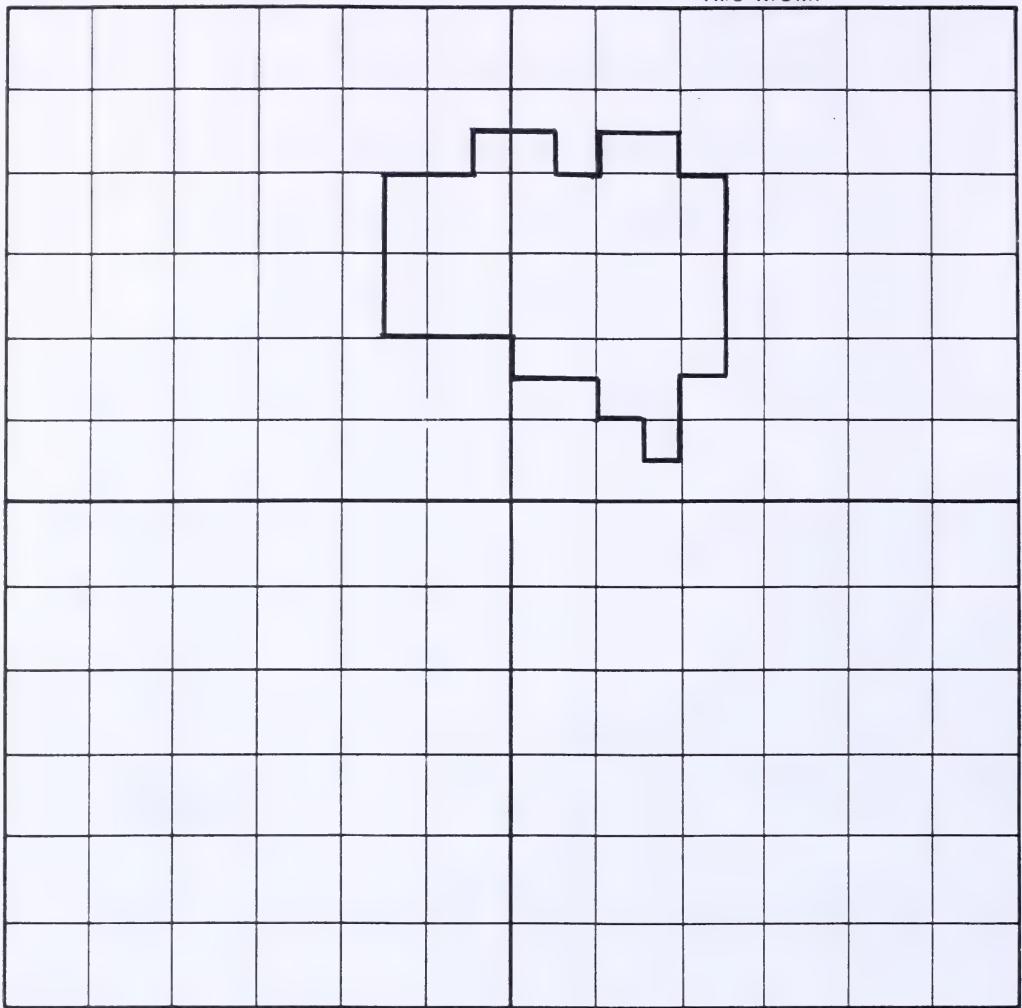
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R. 16

R.15 W.5M.



MEEKWAP D-2A UNIT NQI

INITIAL EFFECTIVE DATE - 1 MAY 1974

UNIT OPERATOR- GULF CANADA RESOURCES LIMITED

ERCB

MITSUE GILWOOD SAND UNIT NO. 1

Located in the Mitsue Field

Unit Operator - Chevron Canada Resources

Initial Effective Date - 1 May 1968

Participation Revised - 1 December 1989

\*Unitized Zone - Gilwood Sand Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
110561 Manufacturing Ltd.	0.004502
241231 Alberta Inc.	0.038783
364092 Alberta Ltd.	0.015291
Alberta Energy Company Ltd.	0.017229
American Eagle Petroleums Ltd.	0.044559
Amoco Canada Resources Ltd.	0.795468
Anderson Explorations Ltd.	0.149033
Atkins & Durbrow Ltd.	0.128402
Angela E. Barlow	0.004691
Bass & Sons Resources, Ltd.	0.039290
Bowtex Energy (Canada) Corporation	0.044549
BP Resources Canada Limited	0.425659
Janet W. Brondyke	0.002345
Robert A. Brondyke, in Trust	0.002345
Burdett Properties Limited	0.072858
Can-Tex Producing Company Ltd.	0.387835
Chevron Canada Resources	45.782065
Chimo Construction Ltd.	0.038774
Congress Resources, A Division of Knowlton Realty Ltd.	0.009280
Cooperative Energy Development Corporation	0.077610
Danco Resources Ltd.	0.002785
Denison Mines Limited	0.444690
Discovery West Corp.	0.973735
Dorset Energy Corporation	0.009380
Enerplus Resources Corporation	0.061880
Equity Oil Company	0.814906
Esso Resources Canada	0.492713
Esso Resources Canada Limited	26.542717
Forsis Oil and Gas Ltd.	0.009069
Gulf Canada Resources Limited	0.550273
Home Oil Company Limited	7.309543

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
J. M. Huber Corporation	0.073869
Judy Creek Oil and Gas Ltd.	0.009345
Peter R. Kutney	0.003939
Ladd Exploration Company	0.009907
Lario Oil & Gas Company	582080
Russell T. Lund Oil Trust	582075
Mobil Oil Canada	3.052591
Moraine Production Co. Ltd.	0.034034
Muirfield Petroleum Corporation	0.003392
Murphy Oil Company Ltd.	0.067839
M. F. Enterprises	0.001876
Norcen Energy Resources Limited	0.576480
Northern Development Company Limited	0.022202
Numac Oil & Gas Ltd.	0.087007
Oakwood Petroleums Ltd.	0.038281
Old Hill Oils Ltd.	0.005628
Pembina Resources Limited	2.329544
Pengrowth Resource Corporation	0.064447
Prairie Oil Royalties Company, Ltd.	0.069389
Ranger Oil Limited	4.158752
Resman Holdings Ltd.	0.006253
Sapphire Investments Inc.	0.015776
Saskatoon Natural Resources Ltd.	0.009382
Shunex Resources Corp.	0.004377
Spruce Hills Production Company, Inc.	0.814709
Summit Resources Limited	0.012819
Suncor Inc.	1.298988
Tiverton Petroleums Ltd.	0.018759
Total Petroleum Canada Ltd.	0.513070
Tyler Oils Ltd.	0.021867
Ulster Petroleums Ltd.	0.010335
Universal Explorations Ltd.	0.195859
Wrangler Management Ltd.	0.012870
	<u>100.000000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

R.6

R.5

R.4

R.3 W.5M.

T.74

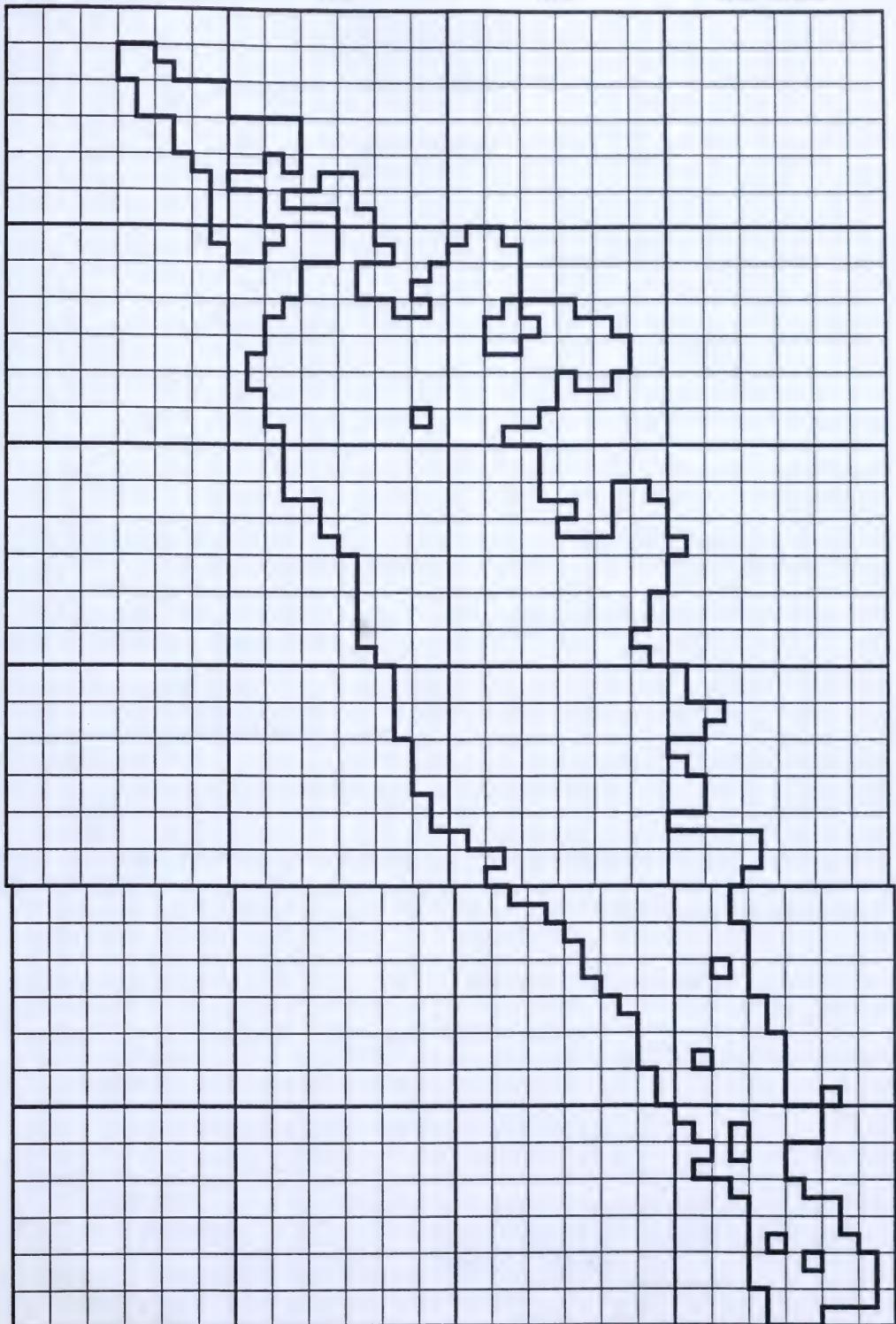
T.73

T.72

T.71

T.70

T.69



MITSUE GILWOOD SAND UNIT NO. 1

INITIAL EFFECTIVE DATE - 1 MAY 1968

UNIT OPERATOR - CHEVRON CANADA RESOURCES

 ERCB



MONOGRAM GAS UNIT

Located in the Alderson Field

Unit Operator - BP Resources Canada Limited

Initial Effective Date - 1 June 1975

Participation Revised - 1 November 1989

\*Unitized Zone - Milk River, Medicine Hat & Second White Specks

\*Unitized Substance - Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	2.8267
BP Resources Canada Limited	33.5032
Enerplus Resources Corporation	2.9995
Esso Resources Canada	1.0400
Exchange Resources Ltd.	27.9530
PanCanadian Petroleum Limited	6.3722
Pensionfund Energy Resources Limited	4.0287
Teck Corporation	<u>21.2767</u>
	<u>100.0000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

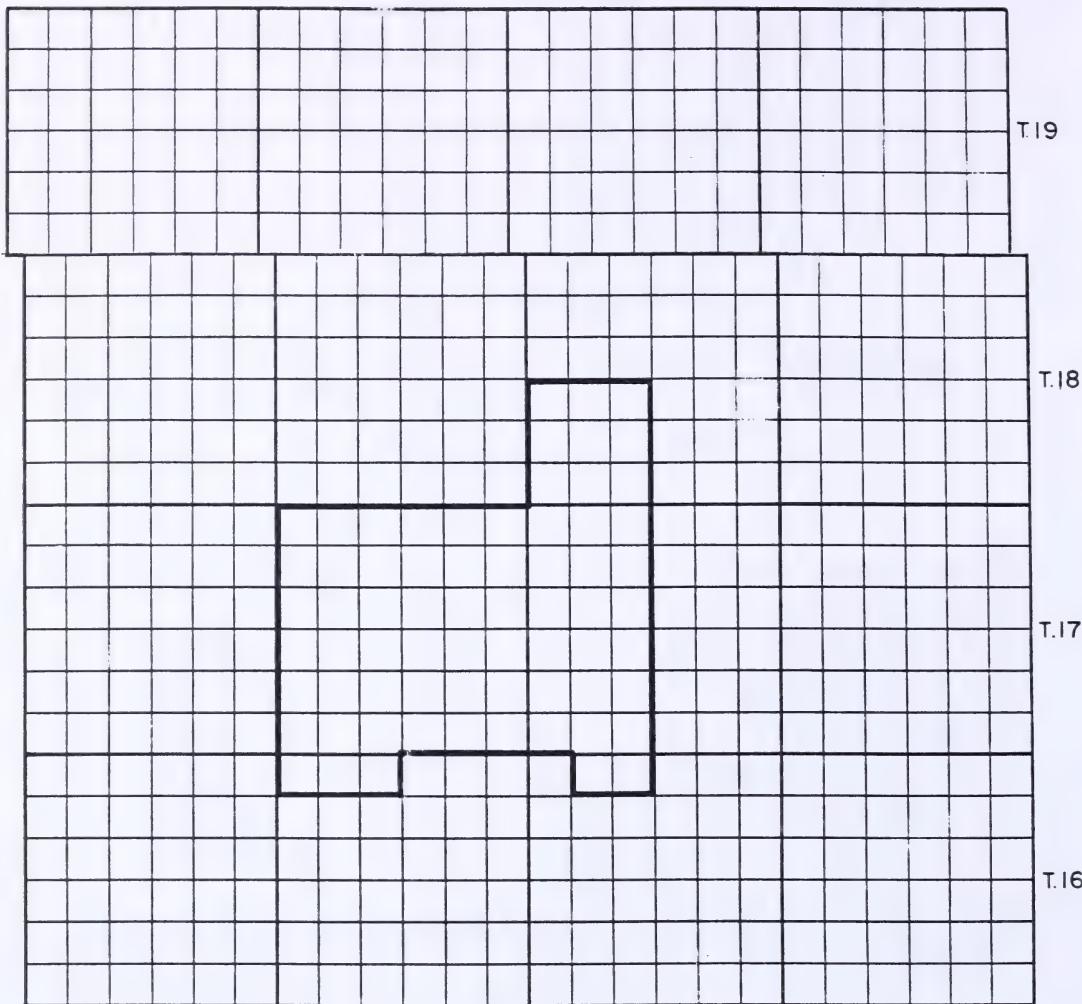
ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.11

R.10

R.9

R.8 W4M



**MONOGRAM GAS UNIT**

INITIAL EFFECTIVE DATE - 1 JUNE 1975

UNIT OPERATOR- BP RESOURCES CANADA LIMITED

**ERCB**

NITON UNIT

Located in the Niton Field

Unit Operator - Esso Resources Canada Limited

Initial Effective Date - 1 November 1978

Participation Revised - 1 December 1989

\*Unitized Zone - Basal Quartz Sand

\*Unitized Substance - Crude oil or gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Acquifund Resources Limited	7.29889075
Amoco Canada Petroleum Company Ltd.	6.68404600
Amoco Canada Resources Ltd.	21.38313300
Canterra Energy Ltd.	1.05185300
Columbia Gas Development of Canada Ltd.	0.14033700
Cooperative Energy Development Corporation	1.16916360
Corexcal, Inc.	0.65979300
DCP Canada Inc.	2.41002500
Denison Mines Limited	3.89640100
Esso Resources Canada Limited	25.96420300
Harvard International Resources Ltd.	0.54663800
Headco Exploration Co. Ltd.	5.26123620
Home Oil Company Limited	3.19698600
Kerr-McGee Canada Ltd.	5.34208400
Lario Oil & Gas Company	5.26123620
Mobil Oil Canada	6.60878100
NCE Oil & Gas (87-1) Ltd.	1.31076025
Petrorep (Canada) Ltd.	1.81443300
	<u>100.00000000</u>

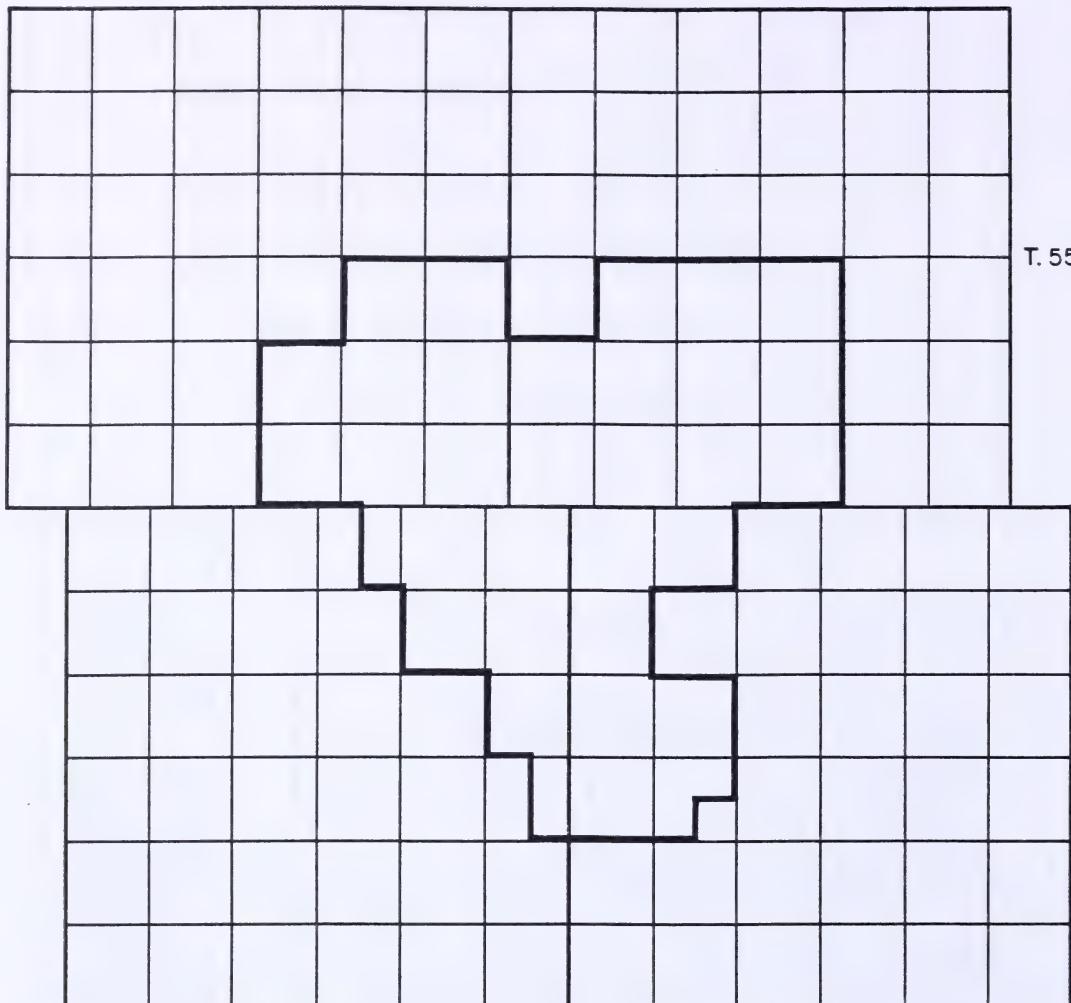
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.13

R.12 W.5 M.



**NITON UNIT**

**ERCB**

**INITIAL EFFECTIVE DATE - 1 NOVEMBER 1978**

**UNIT OPERATOR - ESSO RESOURCES CANADA LIMITED**

NORBUCK BASAL BELLY RIVER "B" POOL UNIT

Located in the Pembina Field

Unit Operator - Esso Resources Canada Limited

Initial Effective Date - 1 June 1967

Participation Revised - 1 October 1989

\*Unitized Zone - Basal Belly River

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	16.6592850
Esso Resources Canada Limited	41.6703575
Mobil Oil Canada	41.6703575
	<u>100.0000000</u>

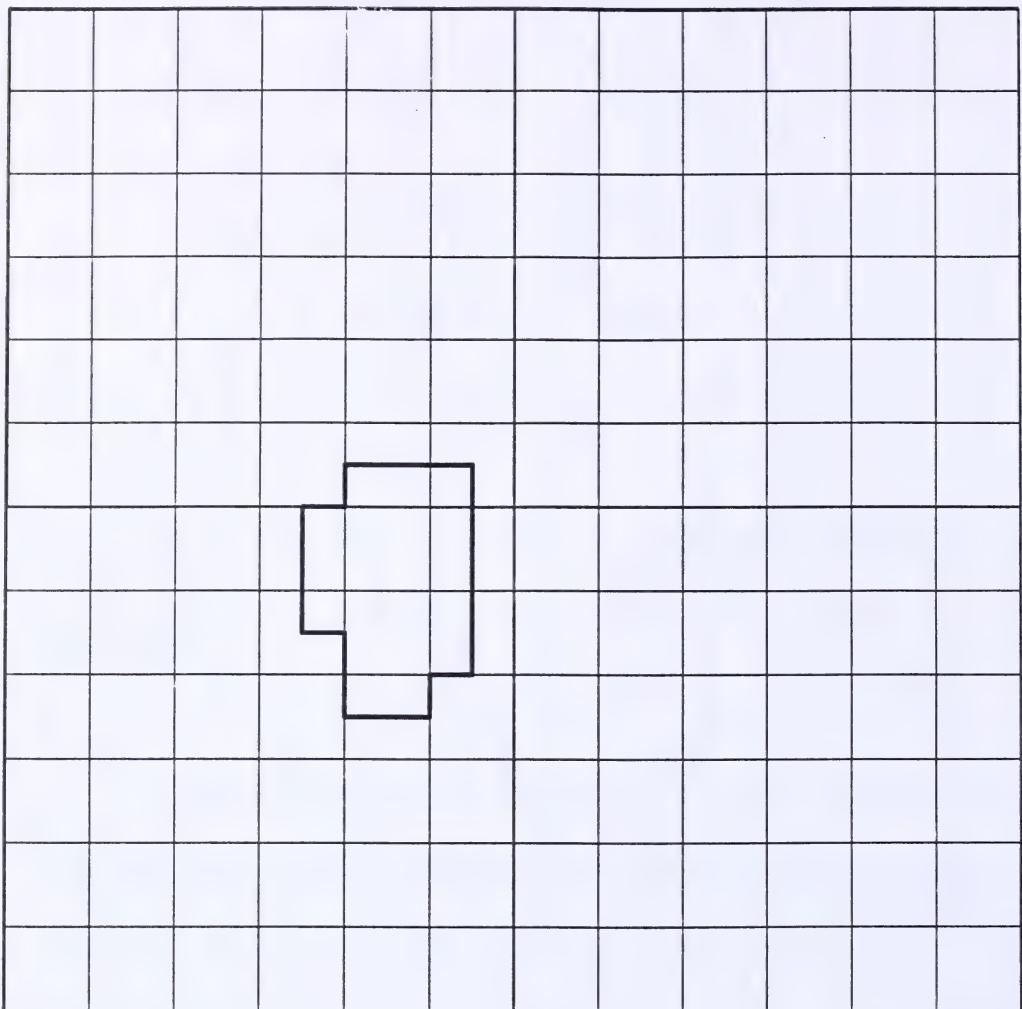
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.4

R.3 W.5M.



NORBUCK BASAL BELLY RIVER B POOL UNIT

ERCB

INITIAL EFFECTIVE DATE - 1 JUNE 1967

UNIT OPERATOR - ESSO RESOURCES CANADA LIMITED

NORTHWEST PEMBINA CARDIUM UNIT NO. 1

Located in the Pembina Field

Unit Operator - Canadian Occidental Petroleum Ltd.

Initial Effective Date - 1 August 1966

Participation Revised - 1 August 1989

\*Unitization Zone - Cardium Formation

\*Unitization Substance - Petroleum, natural gas and other hydrocarbons (except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Canadian Occidental Petroleum Ltd.	54.2510
Esso Resources Canada	7.6370
Gulf Canada Limited	5.9460
Indra Oil & Gas Ltd.	0.1937
Petro-Canada Inc.	25.3543
Suncor Inc.	<u>6.6180</u>
	<u>100.0000</u>

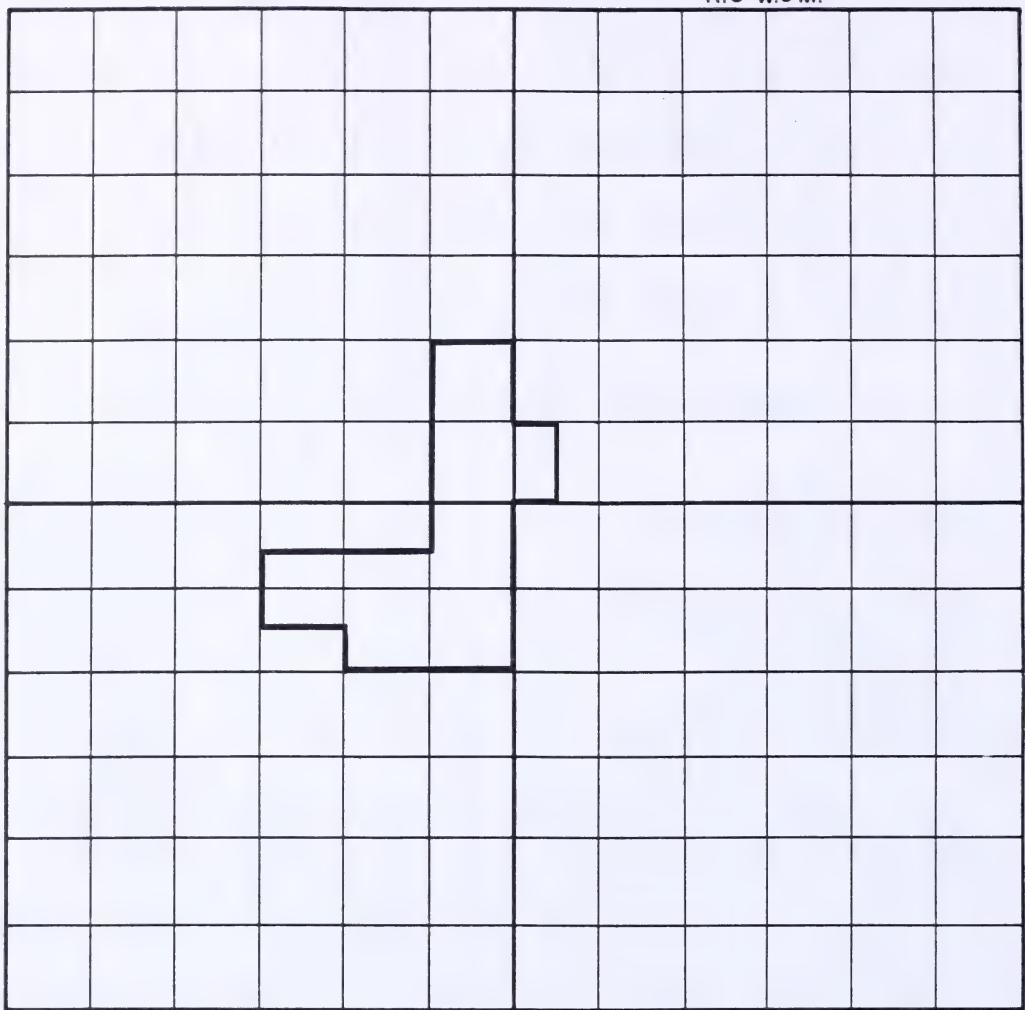
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.9

R.8 W.5 M.



NORTHWEST PEMBINA CARDIUM UNIT NO. I



INITIAL EFFECTIVE DATE - 1 AUGUST 1966

UNIT OPERATOR - CANADIAN OCCIDENTAL PETROLEUM LTD

OLDS UNIT NO. 2

Located in the Olds Field

Unit Operator - Shell Canada Limited

Initial Effective Date - 1 April 1969

Participation Revised - 1 December 1989

\*Unitized Zone - Crossfield Member

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
BP Resources Canada Limited	8.63729
Husky Oil Operations Ltd.	11.76775
Mobil Oil Canada	39.09474
Shell Canada Limited	40.50022
	<u>100.00000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

R.3

R.2 W.5M.

A 10x10 grid of squares. The following squares are filled black:

- (Row 1, Column 6)
- (Row 2, Column 6)
- (Row 3, Column 6)
- (Row 4, Column 6)
- (Row 5, Column 6)
- (Row 6, Column 6)
- (Row 7, Column 6)
- (Row 8, Column 6)
- (Row 9, Column 6)
- (Row 10, Column 6)
- (Row 2, Column 7)
- (Row 3, Column 7)
- (Row 4, Column 7)
- (Row 5, Column 7)
- (Row 6, Column 7)
- (Row 7, Column 7)
- (Row 8, Column 7)
- (Row 9, Column 7)
- (Row 10, Column 7)
- (Row 2, Column 8)
- (Row 3, Column 8)
- (Row 4, Column 8)
- (Row 5, Column 8)
- (Row 6, Column 8)
- (Row 7, Column 8)
- (Row 8, Column 8)
- (Row 9, Column 8)
- (Row 10, Column 8)

**OLDS UNIT NO.2**



INITIAL EFFECTIVE DATE- 1 APRIL 1969

**UNIT OPERATOR-SHELL CANADA LIMITED**

PEMBINA BELLY RIVER "B" SOUTH UNIT

Located in the Pembina Field

Unit Operator - Pembina Resources Limited

Initial Effective Date - 1 August 1972

Participation Revised - 1 October 1989

\*Unitized Zone - Belly River Formation

\*Unitized Substance - Petroleum, natural gas and related hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Canadian Occidental Petroleum Ltd.	3.29548
Chevron Canada Resources	2.79439
Esso Resources Canada	20.93101
J. M. Huber Corporation	14.26437
Kerr-McGee Corporation	18.68274
Norcen Energy Resources Limited	3.01298
Paloma Petroleum Ltd.	3.01297
Pembina Resources Limited	27.28093
Scurry-Rainbow Oil Limited	1.54889
Shell Canada Limited	2.32335
Southmark Aquisitions Canada Ltd.	2.85289
	<u>100.00000</u>

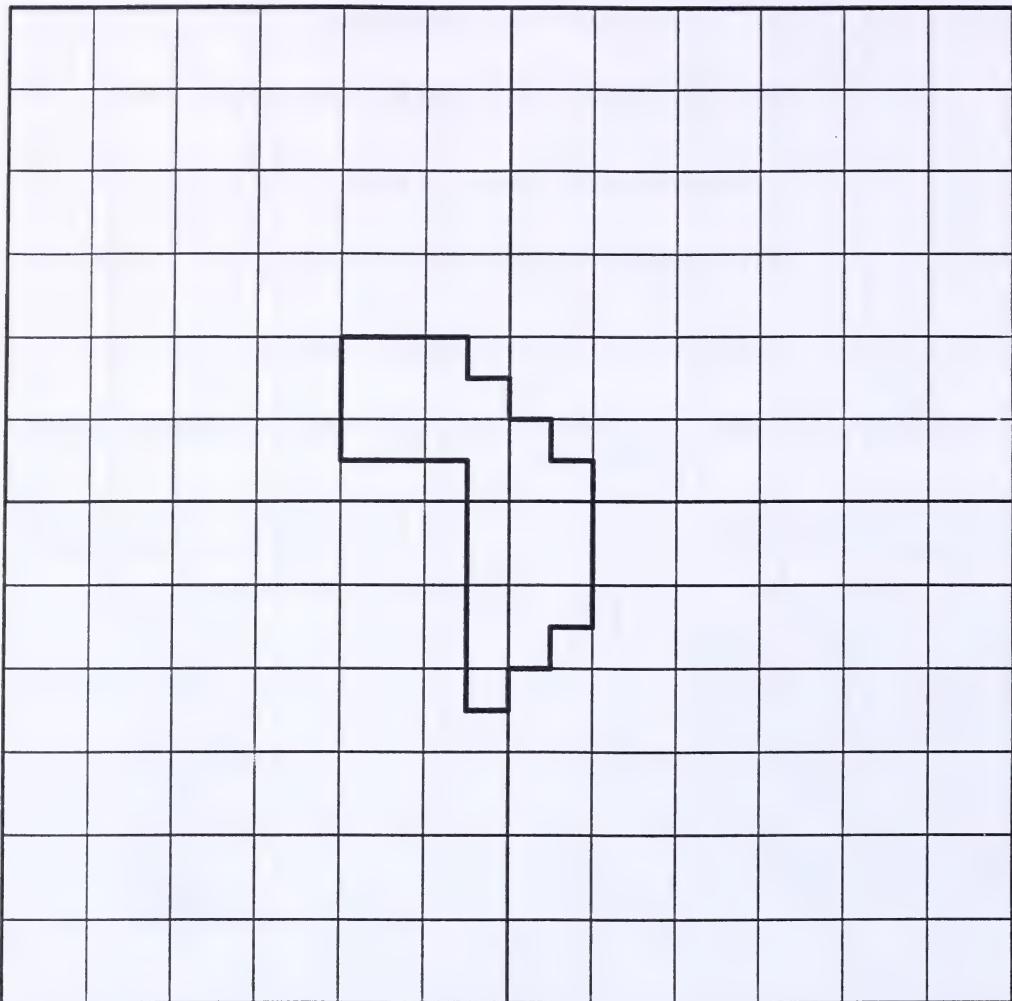
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.4

R.3 W.5M.



PEMBINA BELLY RIVER B SOUTH UNIT

ERCB

INITIAL EFFECTIVE DATE - 1 AUGUST 1972

UNIT OPERATOR - PEMBINA RESOURCES LIMITED

PEMBINA BELLY RIVER "U" EAST UNIT

Located in the Pembina Field

Unit Operator - Amoco Canada Resources Ltd.

Initial Effective Date - 1 March 1985

Participation Revised - 1 November 1989

\*Unitized Zone - Belly River

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	24.36720
Audax Gas & Oil Ltd.	23.01974
BP Resources Canada Limited	9.68904
Chevron Canada Resources	0.23437
Esso Resources Canada	0.23438
Ganor Holdings Ltd.	0.02890
Gardiner Oil and Gas Limited	14.16598
Norcen Energy Resources Limited	7.09063
Norwich Resources Canada Ltd.	13.95692
PanCanadian Petroleum Limited	6.07919
Sterling Oil Properties Management Ltd.	1.13365
	<u>100.00000</u>

\* For a complete definition of unitized zone and substance see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.3 W.5M.

--31--	--32--	--33--	--34--	--35--	--36--	
--30--	--29--	--28--	--27--	--26--	--25--	
--19--	--20--	--21--	--22--	--23--	--24--	
--18--	--17--	--16--	--15--	--14--	--13--	
--7--	--8--	--9--	--10--		--12--	
--6--	--5--	--4--	--3--	--2--	--1--	

T.47

PEMBINA BELLY RIVER U EAST UNIT



INITIAL EFFECTIVE DATE - 1 MARCH 1985

UNIT OPERATOR - AMOCO CANADA RESOURCES LTD

PEMBINA BELLY RIVER "U" UNIT

Located in the Pembina Field

Unit Operator - Amoco Canada Resources Ltd.

Initial Effective Date - 1 August 1970

Participation Revised - 1 November 1989

\*Unitized Zone - Belly River Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	41.81779
Boalta Oil & Gas Ltd.	0.14891
Vincent Bolin	0.29783
BP Resources Canada Limited	23.76436
Canadian Fortune Resources Inc.	0.14891
Chevron Canada Resources	0.57487
Conwest Exploration Company Limited	4.34510
Esso Resources Canada	0.57487
Norcen Energy Resources Limited	7.66672
Norwich Resources Canada Ltd.	5.75001
PanCanadian Petroleum Limited	14.91063
	<u>100.00000</u>

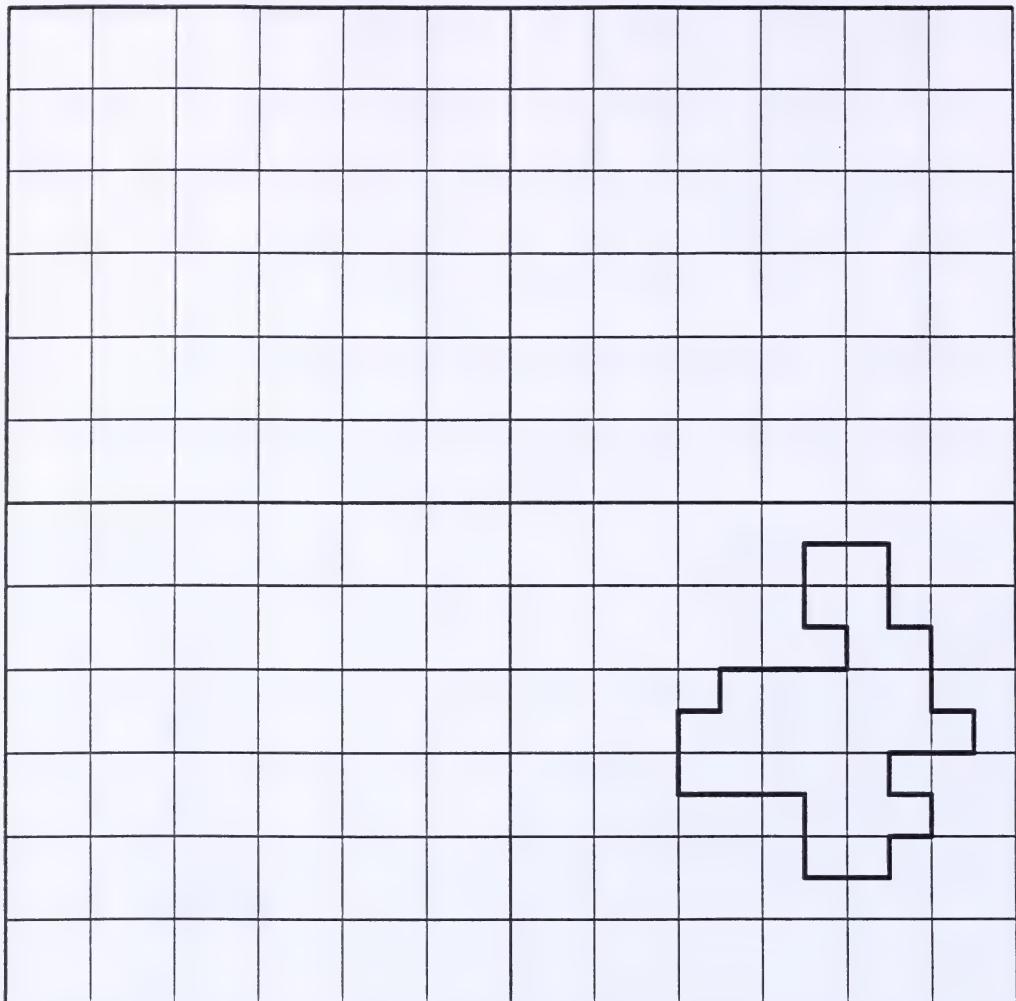
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.4

R.3 W.5M.



PEMBINA BELLY RIVER U UNIT

ERCB

INITIAL EFFECTIVE DATE - 1 AUGUST 1970

UNIT OPERATOR - AMOCO CANADA RESOURCES LTD.

PEMBINA BELLY RIVER "X" UNIT

Located in the Pembina Field

Unit Operator - Amoco Canada Resources Ltd.

Initial Effective Date - 1 November 1978

Participation Revised - 1 November 1989

\*Unitized Zone - Belly River Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
American Eagle Petroleum Ltd.	2.91943
Amoco Canada Resources Ltd.	72.98172
Atcor Ltd.	2.9194
Canadian Occidental Petroleum Ltd.	0.85865
Esso Resources Canada	5.08019
J. M. Huber Corporation	5.08019
Pembina Resources Limited	9.14434
Southmark Acquisitions Canada Ltd.	1.01604
	<u>100.00000</u>

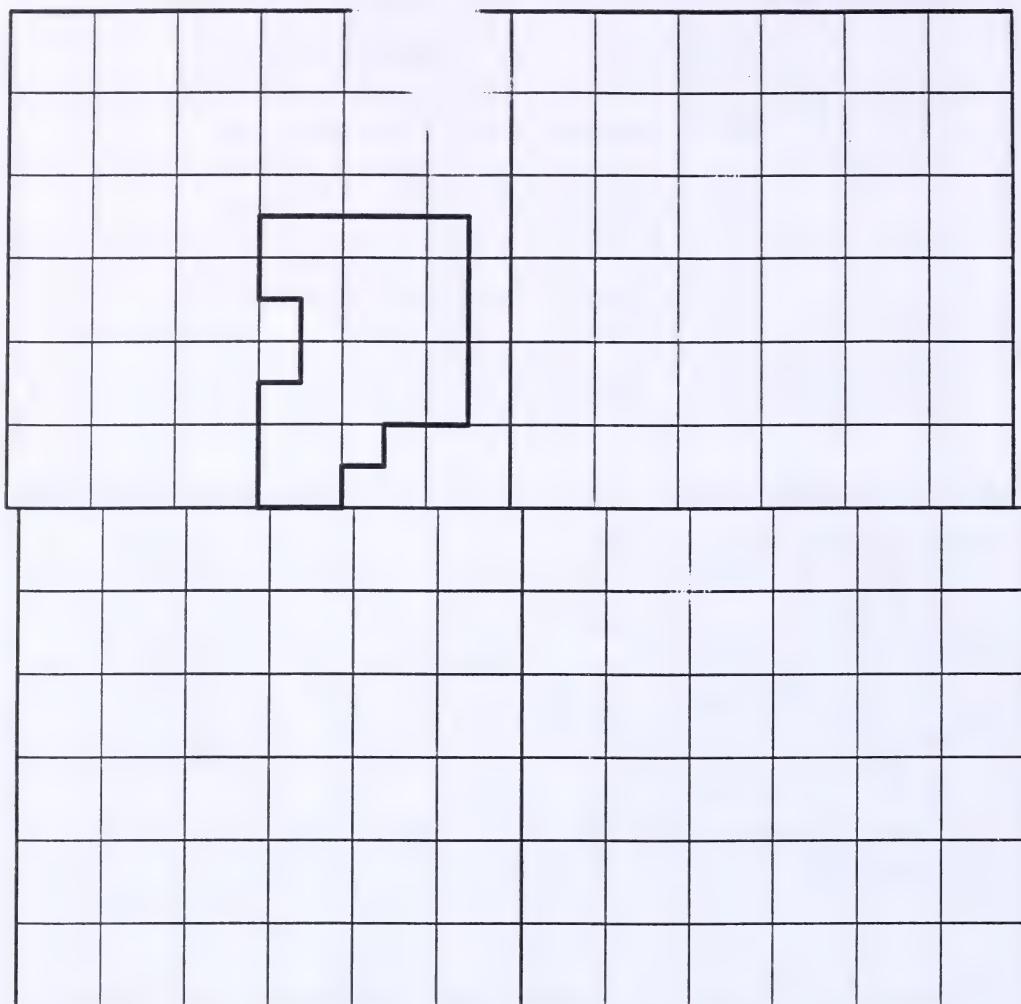
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.4

R.3 W.5M.



PEMBINA BELLY RIVER X UNIT

ERCB

INITIAL EFFECTIVE DATE - 1 NOVEMBER 1978

UNIT OPERATOR - AMOCO CANADA RESOURCES LTD.

PEMBINA CARDIUM UNIT NO. 4

Located in the Pembina Field

Unit Operator - Amoco Canada Petroleum Company Ltd.

Initial Effective Date - 1 January 1960

Participation Revised - 1 November 1989

\* Unitized Zone - Cardium Formation

\* Unitized Substance - Crude oil, natural gas, condensate and all other hydrocarbons (except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	20.46710
Amoco Canada Resources Ltd.	20.46711
Anderson Exploration Ltd.	20.05215
Denison Mines Limited	9.23960
Mobil Oil Canada	9.86987
Shell Canada Limited	<u>19.90417</u>
	100.00000

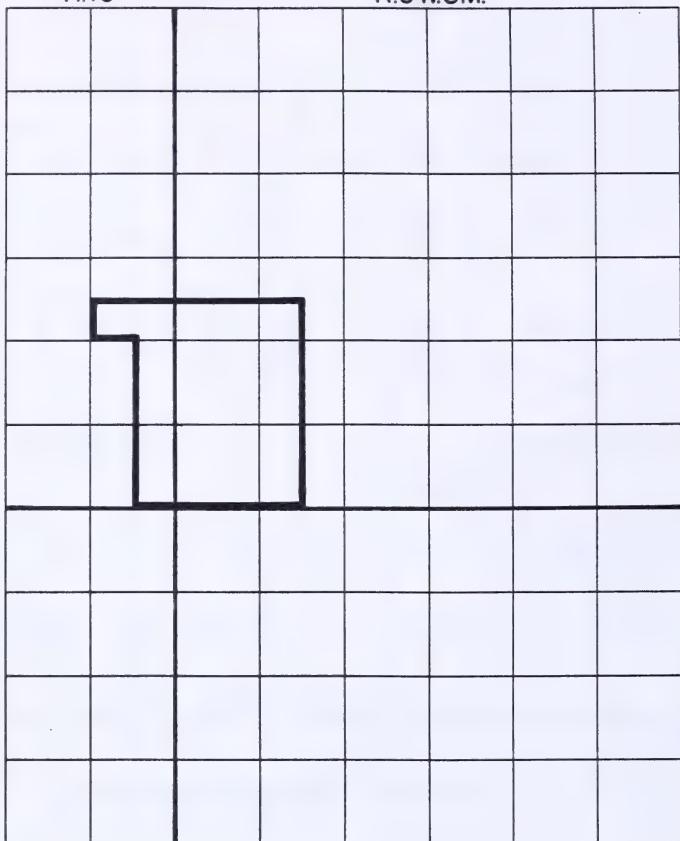
\* For a complete definition of unitized zones and substances see Unit Documents.

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.10

R.9W.5M.



T.49

T.48

**PEMBINA CARDIUM UNIT NO. 4**

**INITIAL EFFECTIVE DATE - JANUARY 1, 1960**

**UNIT OPERATOR-AMOCO CANADA PETROLEUM COMPANY LTD.**

PEMBINA CARDIUM UNIT NO. 9 (BLUE RAPIDS AREA)

Located in the Pembina Field

Unit Operator - Amoco Canada Petroleum Company Ltd.

Initial Effective Date - 1 April 1962

Participation Revised - 1 November 1989

\*Unitized Zone - Cardium Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	30.17382
Amoco Canada Resources Ltd.	32.82813
Benedum-Trees Oil Company	5.53852
Encor Energy Corporation Inc.	16.61555
Esso Resources Canada Limited	2.31574
Indra Oil & Gas Ltd.	0.04837
Mobil Oil Canada	2.51403
Rife Resources Ltd.	9.96584
	<u>100.00000</u>

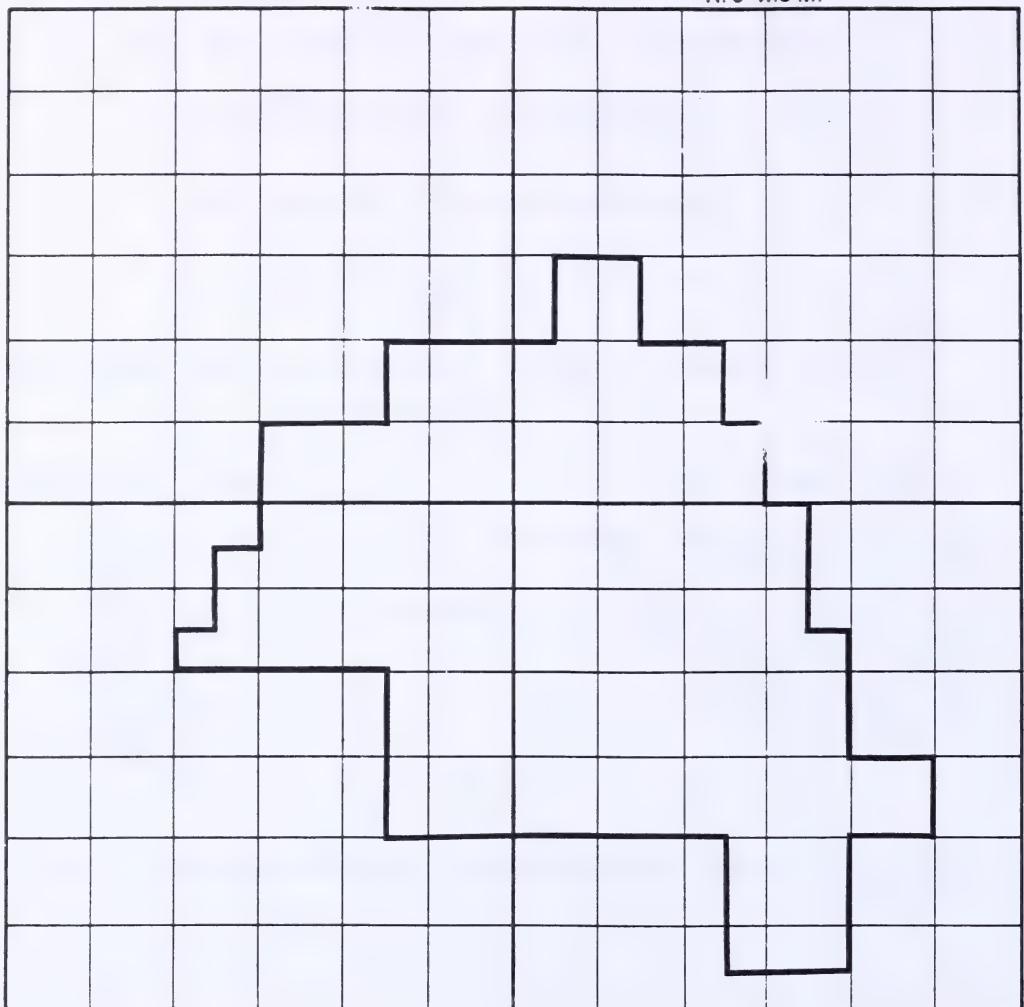
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R. 10

R. 9 W.5 M.



T. 48

T. 47

PEMBINA CARDIUM UNIT NO.9 (BLUE RAPIDS AREA)



INITIAL EFFECTIVE DATE - 1 APRIL 1962

UNIT OPERATOR - AMOCO CANADA PETROLEUM COMPANY LTD.

PEMBINA CARDIUM UNIT NO. 10  
(Berrymoor Cardium Unit)

Located in the Pembina Field

Unit Operator - Esso Resources Canada Limited

Initial Effective Date - 1 August 1962

Participation Revised - 1 December 1989

\*Unitized Zone - Cardium Formation

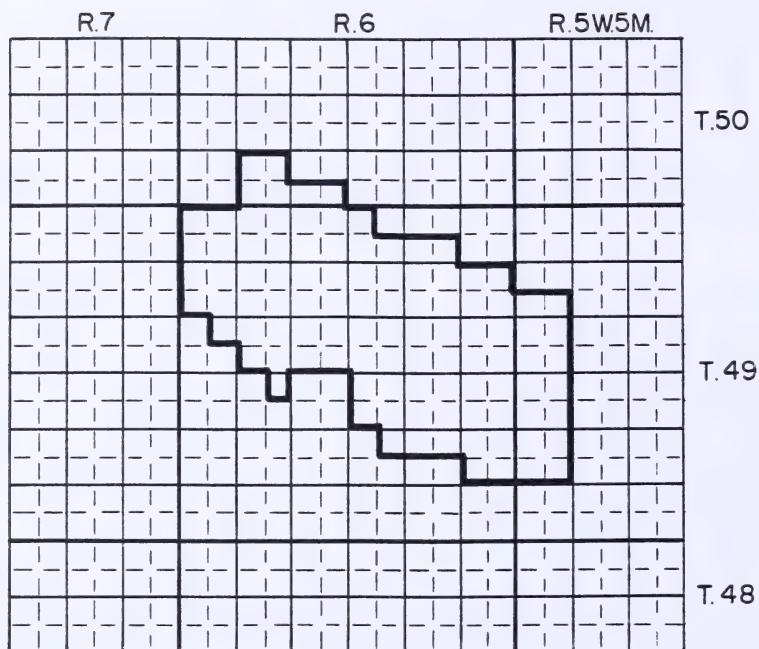
\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Acquifund Resources Limited	2.898132
Amoco Canada Resources Ltd.	11.744683
DEKALB Energy Canada Ltd.	11.776225
Esso Resources Canada Limited	27.380360
ICG Resources Ltd.	1.753789
Mobil Oil Canada	27.380360
RTEC ONE RESOURCES INC.	2.218336
Shell Canada Limited	14.848115
	<u>100.000000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta



PEMBINA CARDIUM UNIT NO. 10 (BERRYSMOOR CARDIUM UNIT)

INITIAL EFFECTIVE DATE - AUGUST 1, 1962

UNIT OPERATOR - ESSO RESOURCES CANADA LIMITED

PEMBINA CARDIUM UNIT NO. 13

Located in the Pembina Field

Unit Operator - Amoco Canada Resources Ltd.

Initial Effective Date - 1 July 1960

Participation Revised - 1 December 1989

\*Unitized Zone - Cardium Formation

\*Unitized Substance - Crude oil, natural gas, condensate and all other hydrocarbons (other than coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	43.2183
Black Cat Oil & Gas Ltd.	1.9369
Enerplus Resources Corporation	3.8738
Esso Resources Canada	14.0029
Murphy Oil Company Ltd.	25.5728
Norcen Energy Resources Limited	11.3953
	<u>100.0000</u>

\*For a complete definition of unitized zones and substances see Unit Documents.

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.9

R.8W.5M.

-35-	-36-	-31-	-32-	-33-	-34-	
-26-	-25-		-29-	-28-	-27-	
-23-			-20-	-21-	-22-	
-14-	-13-		-17-	-16-	-15-	
-11-	-12-	-7-	-8-	-9-	-10-	
-2-		-6-	-5-	-4-	-3-	

T.49

PEMBINA CARDIUM UNIT NO.13

INITIAL EFFECTIVE DATE - 1 JULY 1960

UNIT OPERATOR - AMOCO CANADA RESOURCES LTD.



PEMBINA CARDIUM UNIT NO. 31

Located in the Pembina Field

Unit Operator - Pembina Resources Limited

Initial Effective Date - 1 November 1960

Participation Revised - 1 October 1989

\*Unitized Zone - Cardium Formation

\*Unitized Substance - Crude oil, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	3.9000
Heenan Senlac Resources Limited	0.7146
Indra Oil & Gas Ltd.	1.2000
Lakewood Oil & Gas Ltd.	0.9000
Mobil Oil Canada	14.4000
Pacific Enterprises Oil Company	0.9528
Pembina Resources Limited	25.2853
Petro-Canada Inc.	19.4500
Petrorep (Canada) Ltd.	7.2006
Spruce Hills Production Company, Inc.	19.8917
Ultramar Oil and Gas Canada Limited	<u>6.1050</u>
	<u>100.0000</u>

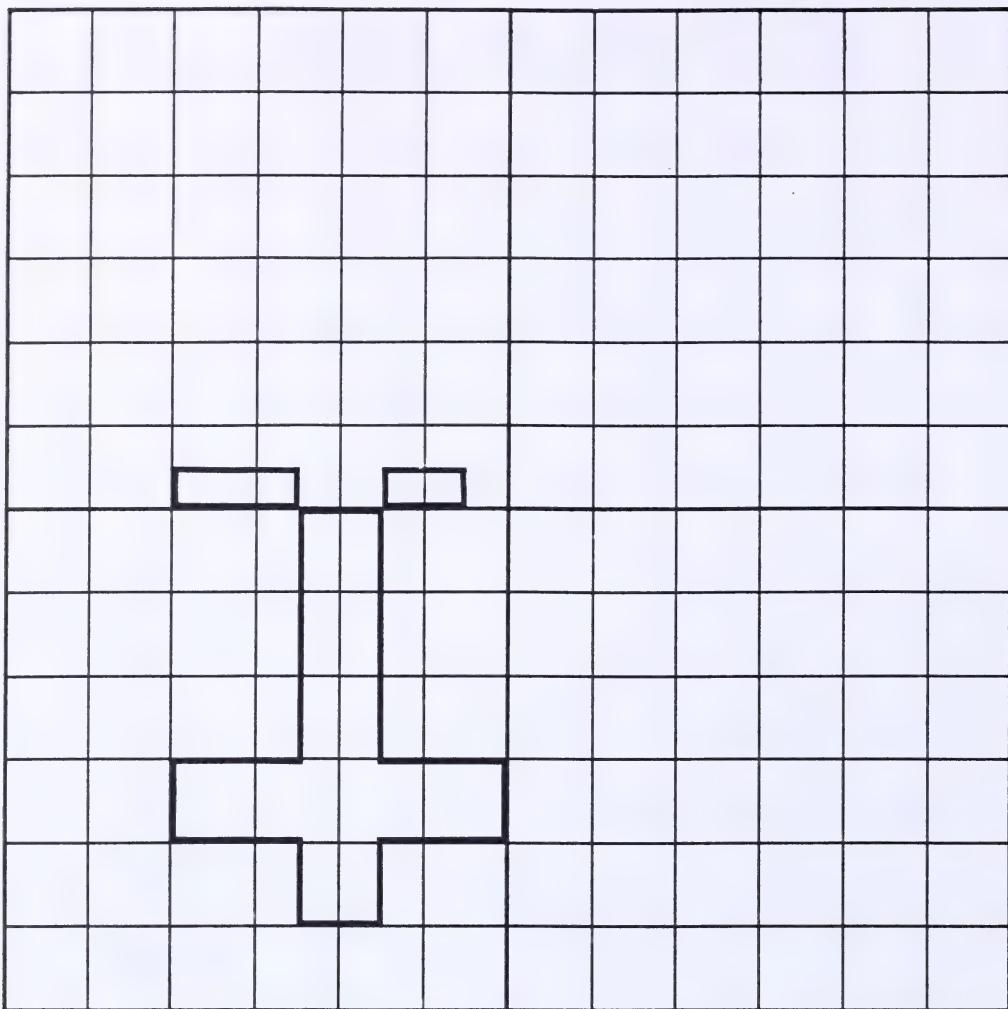
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.10

R.9 W.5 M.



PEMBINA CARDIUM UNIT NO. 31

ERCB

INITIAL EFFECTIVE DATE - 1 NOVEMBER 1960

UNIT OPERATOR - PEMBINA RESOURCES LIMITED

PEMBINA EASYFORD CARDIUM UNIT NO. 1

Located in the Pembina Field

Unit Operator - Canadian Occidental Petroleum Ltd.

Initial Effective Date - 1 August 1964

Participation Revised - 1 August 1989

\*Unitized Zone - Cardium Formation

\*Unitized Substance - Crude oil, natural gas and other hydrocarbons  
(except coal)

Working Interest Owners

Per Cent Participation

Amoco Canada Petroleum Company Ltd.	25.4453
Canadian Occidental Petroleum Ltd.	26.8748
DeKalb Energy Canada Ltd.	9.8954
Dome Petroleum Limited	3.6288
Esso Resources Canada	20.7252
Hudson's Bay Oil and Gas Company Limited	4.7704
Mobil Oil Canada	1.2391
Norcen Energy Resources Limited	0.7286
Norwich Resources Canada Ltd.	0.4164
Petro-Canada Inc.	<u>6.2760</u>
	100.0000

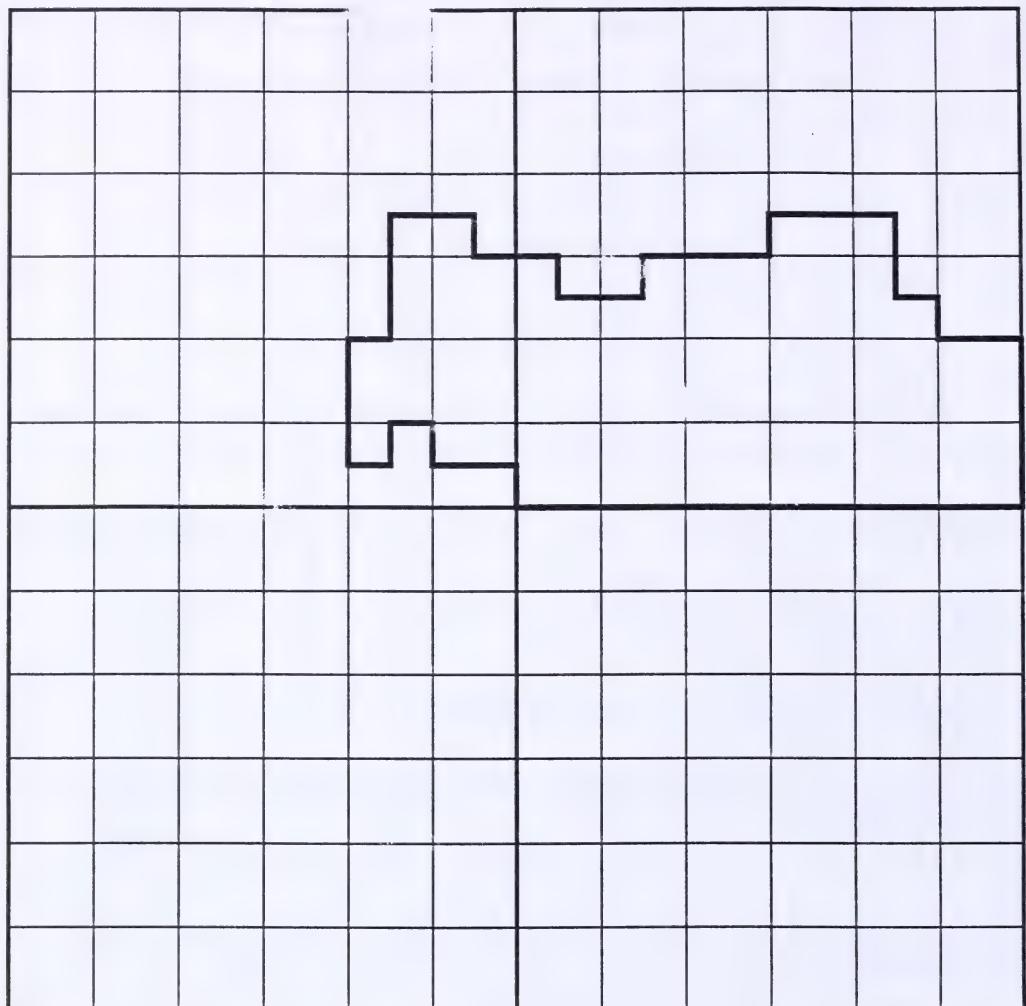
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.9

R.8 W.5M.



PEMBINA EASYFORD CARDIUM UNIT NO. 1



INITIAL EFFECTIVE DATE - 1 AUGUST 1964

UNIT OPERATOR - CANADIAN OCCIDENTAL PETROLEUM LTD.

PEMBINA KEYSTONE CARDIUM UNIT NO. 2

Located in the Pembina Field

Unit Operator - Canadian Occidental Petroleum Ltd.

Initial Effective Date - 1 April 1971

Participation Revised - 1 October 1989

\*Unitized Zone - Cardium Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	7.466501
Black Cat Oil & Gas Ltd.	0.196700
Bumper Development Corporation Ltd.	0.762454
[John Busher Sinna & Paul Busher (Trustees)]	0.254151
[Mr. P. Antrobus]	0.254151
[Old National Bank of Washington (Trust Account)]	0.254151
Canadian Occidental Petroleum Ltd.	67.324280
Esso Resources Canada	3.722476
Esso Resources Canada Limited	7.230959
Hollywood Investment Corporation	0.422077
Mobil Oil Canada	0.924210
NCE Oil & Gas (88-1) Ltd.	2.015249
Petro-Canada Inc.	4.932740
Royal Trust Corporation of Canada	0.774853
Samedan Oil of Canada, Inc.	1.546371
Shell Canada Limited	0.633116
Universal Exploration Ltd.	1.285561
	<u>100.000000</u>

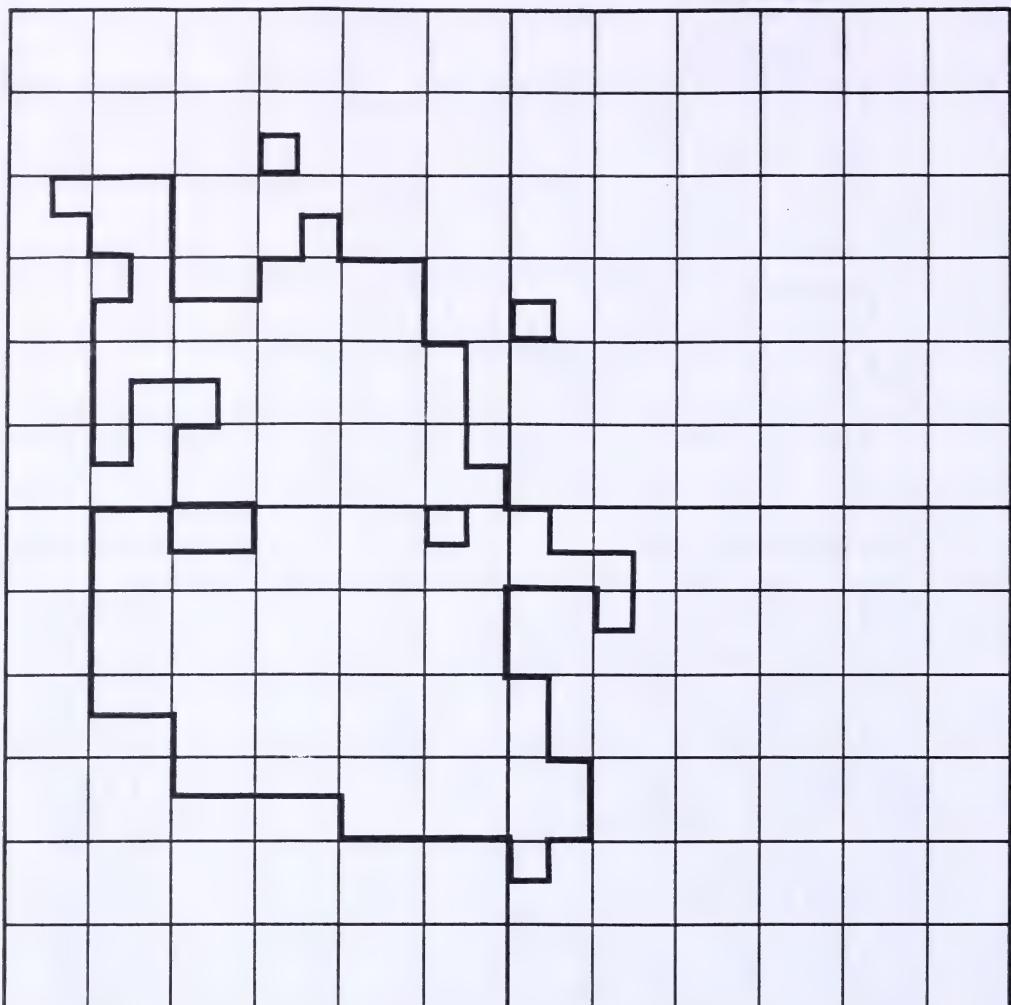
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R. 4

R. 3 W. 5 M.



PEMBINA KEYSTONE CARDIUM UNIT NO. 2



INITIAL EFFECTIVE DATE - 1 APRIL 1971

UNIT OPERATOR - CANADIAN OCCIDENTAL PETROLEUM LTD.

PEMBINA OSTRACOD "E" UNIT

Located in the Pembina Field

Unit Operator - Columbia Gas Development of Canada Ltd.

Initial Effective Date - 1 April 1985

Participation Revised - 1 May 1989

\*Unitized Zone - Ostracod E Formation

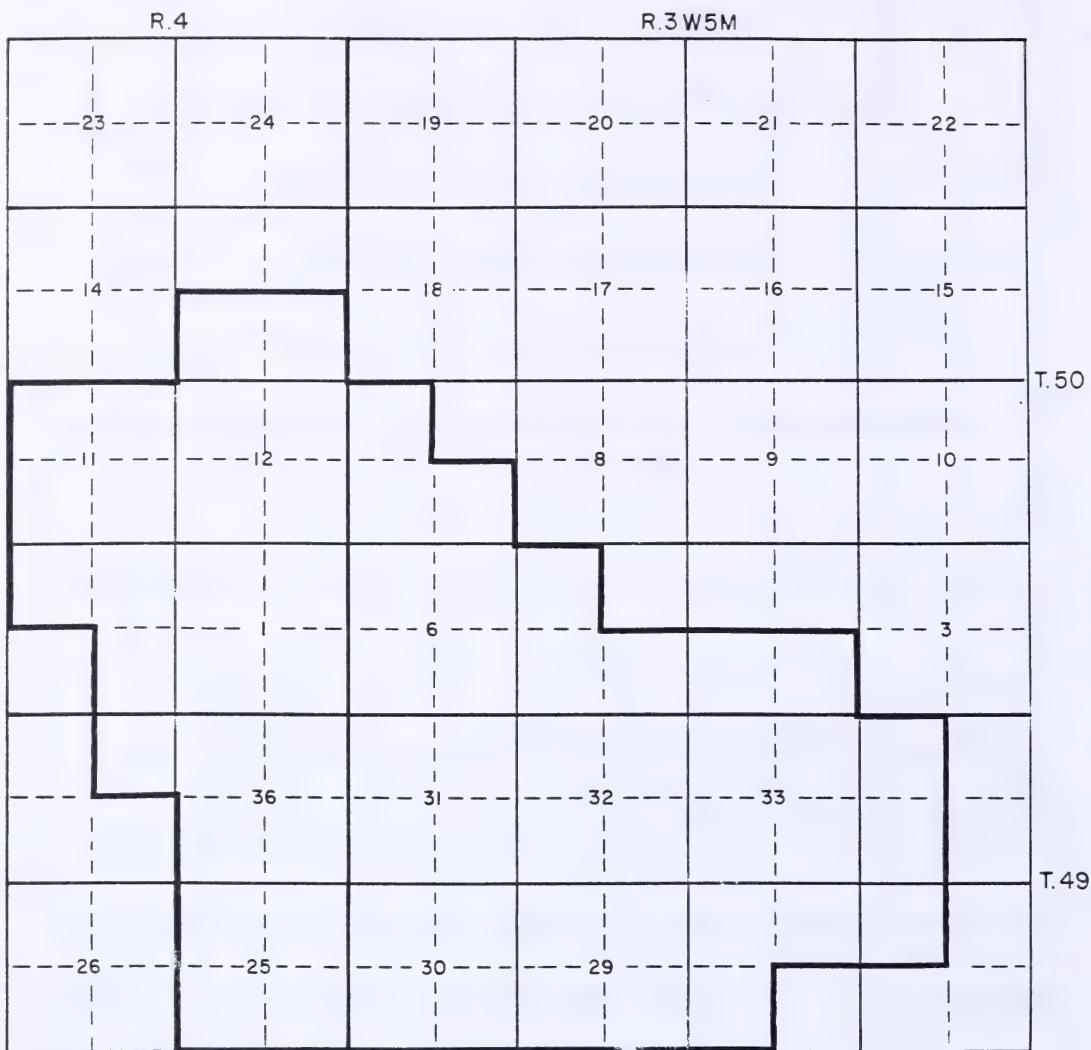
\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	36.72636
CanPar Holdings Ltd.	8.85627
Columbia Gas Development of Canada Ltd.	20.97593
Enron Oil Canada Ltd.	3.32759
PanCanadian Petroleum Limited	27.10782
Simmons Management Limited	3.00548
	<u>100.00000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta



PEMBINA OSTRACODE UNIT

ERCB

INITIAL EFFECTIVE DATE - 1 APRIL 1985

UNIT OPERATOR - COLUMBIA GAS DEVELOPMENT OF CANADA LTD.

PROGRESS HALFWAY GAS UNIT NO. 1

Located in the Progress Field

Unit Operator - Shell Canada Limited

Initial Effective Date - 1 September 1985

Participation Revised - 1 December 1989

\*Unitized Zone - Halfway Formation

\*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	0.35748
Bow Valley Industries Ltd.	4.05259
Chancellor Energy Resources Inc.	3.34793
Conwest Petroleum Corporation	2.30441
Esso Resources Canada	7.61336
Esso Resources Ventures Limited	0.35748
J. M. Huber Corporation	18.36826
ICG Resources Ltd.	12.31411
McColl-Frontenac Inc.	5.53447
Mobil Oil Canada	11.93214
Petro-Canada Inc.	13.14783
Shell Canada Limited	20.35590
Westcoast Petroleum Ltd.	<u>0.31404</u>
	<u>100.00000</u>

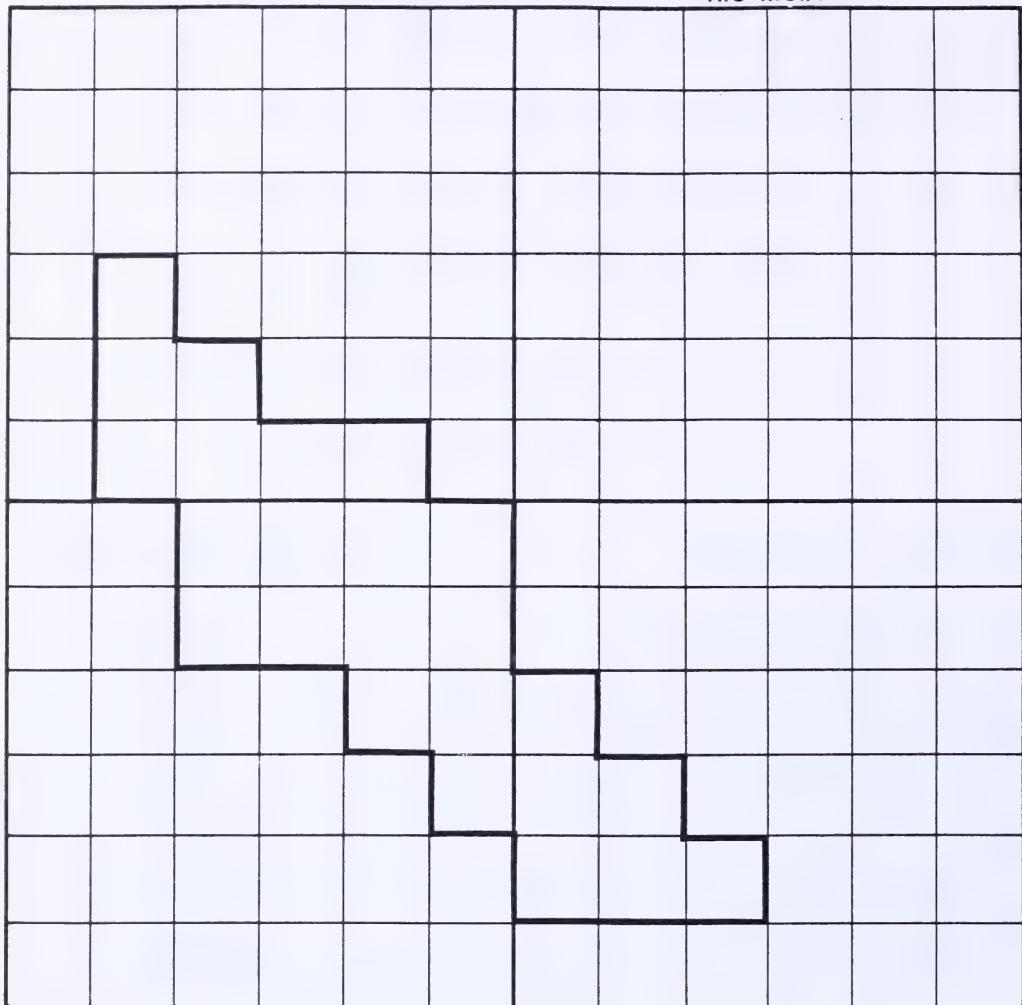
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.9

R.8 W.6M.



PROGRESS HALFWAY GAS UNIT NO. 1

ERCB

INITIAL EFFECTIVE DATE - 1 SEPTEMBER 1985

UNIT OPERATOR - SHELL CANADA LIMITED

PROVOST GAS UNIT NO. 3

Located in the Provost Field

Unit Operator - Amoco Canada Resources Ltd.

Initial Effective Date - 1 June 1971

Participation Revised - 1 November 1989

\*Unitized Zones - Viking and Upper Mannville Formations

\*Unitized Substance - Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	25.000
Gabo Resources Limited	12.500
Petrol Properties Ltd.	3.125
RTEC One Resources Inc.	3.125
Ryerson Oil and Gas Limited	25.000
Summit Resources Limited	6.250
Vanguard Energy Corporation	25.000
	<u>100.000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

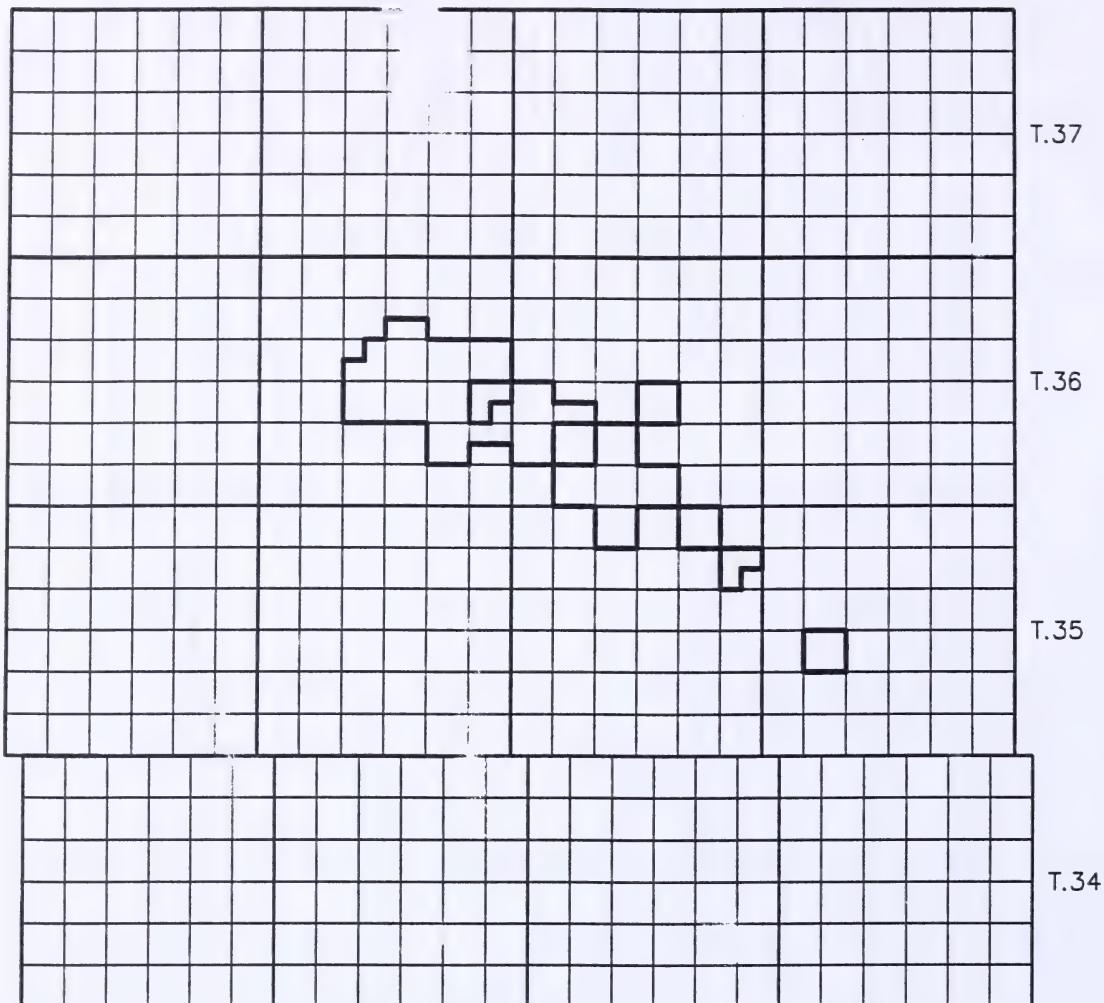
ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.11

R.10

R.9

R.8 W. 4M.



PROVOST GAS UNIT NO.3

INITIAL EFFECTIVE DATE - 1 JUNE 1971

UNIT OPERATOR - AMOCO CANADA RESOURCES LTD.



PROVOST VETERAN VIKING "C" SOUTH UNIT

Located in the Provost Field

Unit Operator - Enerplus Resources Corporation

Initial Effective Date - 1 June 1973

Participation Revised - 1 November 1989

\*Unitized Zone - Viking Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
A.I.S. Resources Limited	4.557482
Amoco Canada Resources Ltd.	4.379563
Cloverdale Oil & Gas Ltd.	1.706205
Enerplus Resources Corporation	19.489050
Fraser Exploration Ltd.	0.319342
Harvard International Resources Ltd.	43.795620
Kerr-McGee Canada Ltd.	2.189781
Koch Exploration Canada, Ltd.	8.526463
Norcen Energy Resources Limited	1.824817
Twin Eagle Resources Inc.	3.430656
Universal Explorations Ltd.	1.459354
Venwest Resources Limited	8.321167
	100.000000

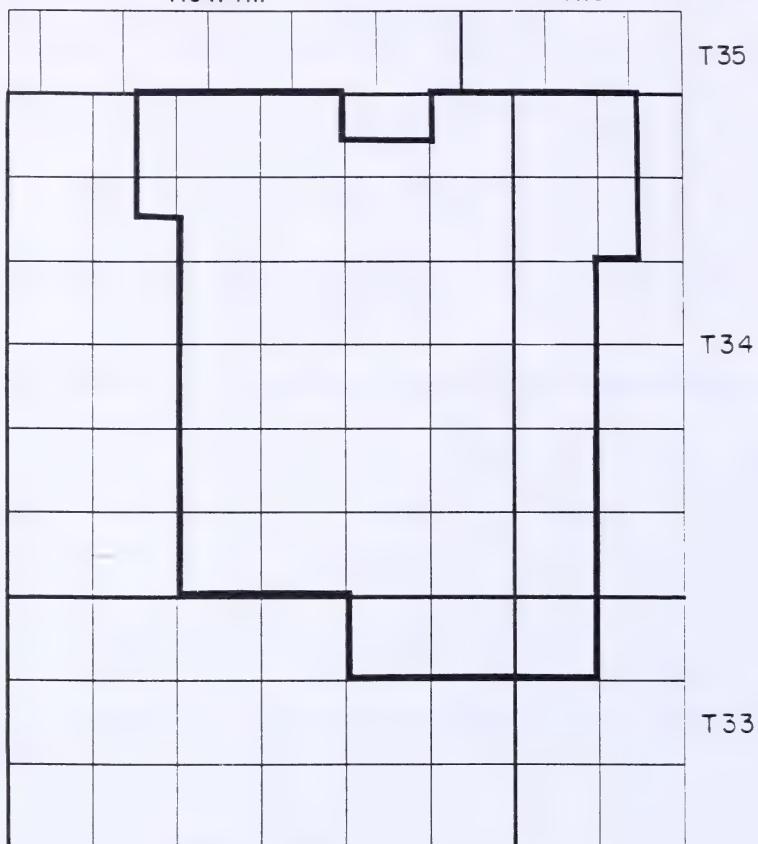
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R9W4M

R.8



**PROVOST VETERAN VIKING 'C' SOUTH UNIT**

INITIAL EFFECTIVE DATE — JUNE 1 , 1973

UNIT OPERATOR — ENERPLUS RESOURCES CORPORATION

PROVOST VIKING SAND GAS UNIT

Located in the Provost Field

Unit Operator - Amoco Canada Resources Ltd.

Initial Effective Date - 7 August 1957

Participation Revised - 1 November 1989

\*Unitized Zone - Viking Member of the Colorado Formation

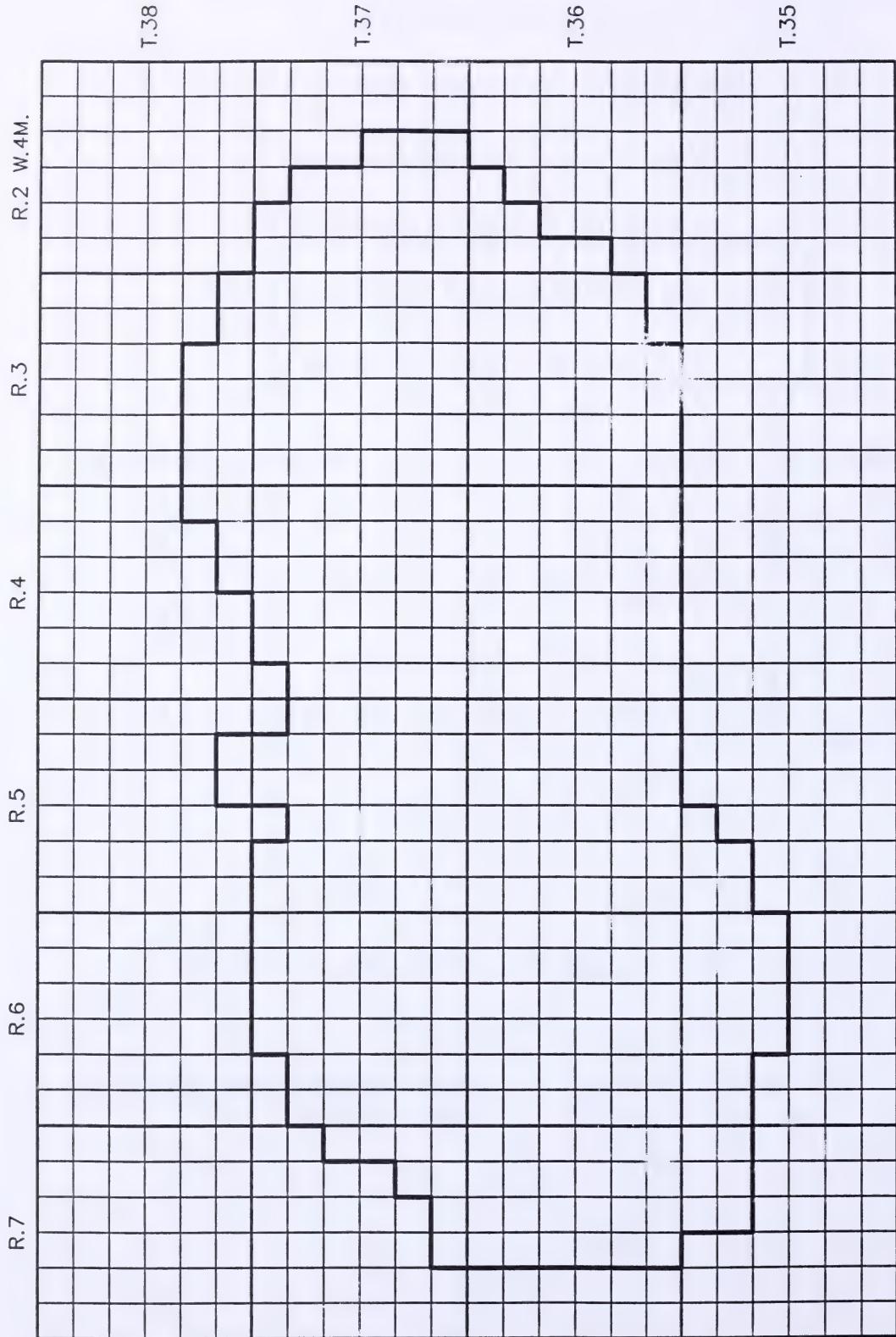
\*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	82.6055828
Barlow Development Ltd.	0.5935806
Canterra Energy Ltd.	0.2765676
Lincoln-McKay Development Company Ltd.	0.5935806
Northland Bank in Liquidation	2.7724203
Petro-Canada Inc.	<u>13.1582681</u>
	<u>100.0000000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta



PROVOST VIKING SAND GAS UNIT  
INITIAL EFFECTIVE DATE - 7 AUGUST 1957  
UNIT OPERATOR - AMOCO CANADA RESOURCES LTD.  
ERCB

PROVOST VIKING VETERAN UNIT

Located in the Provost Field

Unit Operator - Enerplus Resources Corporation

Initial Effective Date - 1 April 1971

Participation Revised - 1 November 1989

\*Unitized Zone - Viking Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
A.I.S. Resources Limited	0.869377
Aldona Mines Limited	0.521626
Amoco Canada Resources Ltd.	6.060129
Bow Valley Industries Ltd.	8.911023
Enerplus Resources Corporation	14.388087
Gardiner Oil and Gas Limited	1.188136
ICG Resources Ltd.	4.971145
Kerr-McGee Canada Ltd.	17.326263
Koch Exploration Canada, Ltd.	9.815357
LaBorde Petroleums Limited	0.309137
NCE Oil & Gas (88-1) Ltd.	2.013905
Norcen Energy Resources Limited	3.425781
Owen Investors Ltd.	0.309137
Petroterra Natural Resources Ltd.	0.500669
Plainsman Exploration Ltd.	1.153452
Prairie Oil Royalties Company, Ltd.	0.652783
Ranchmen's Resources Ltd.	1.973380
Synerg Energy Ltd.	0.652785
Triton Canada Resources Ltd.	10.569241
Venwest Resources Limited	14.388087
	<u>100.000000</u>

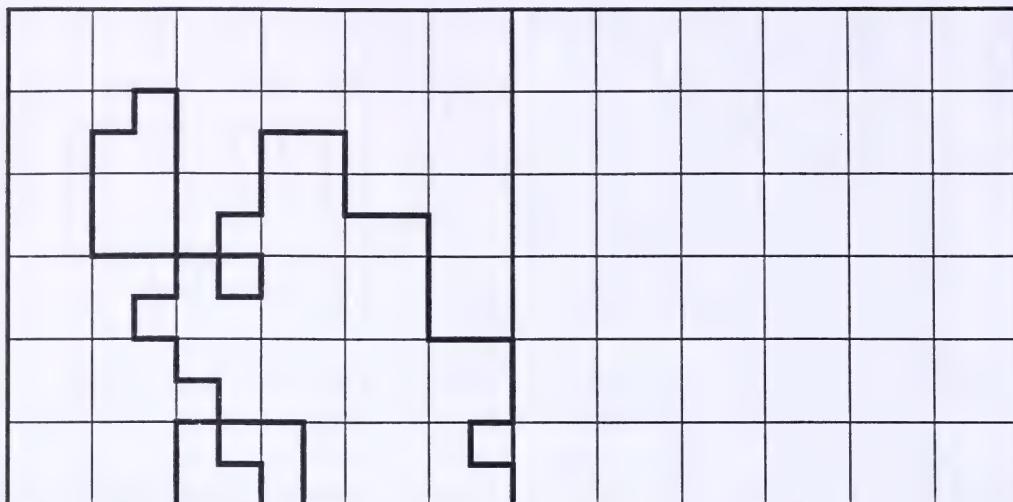
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

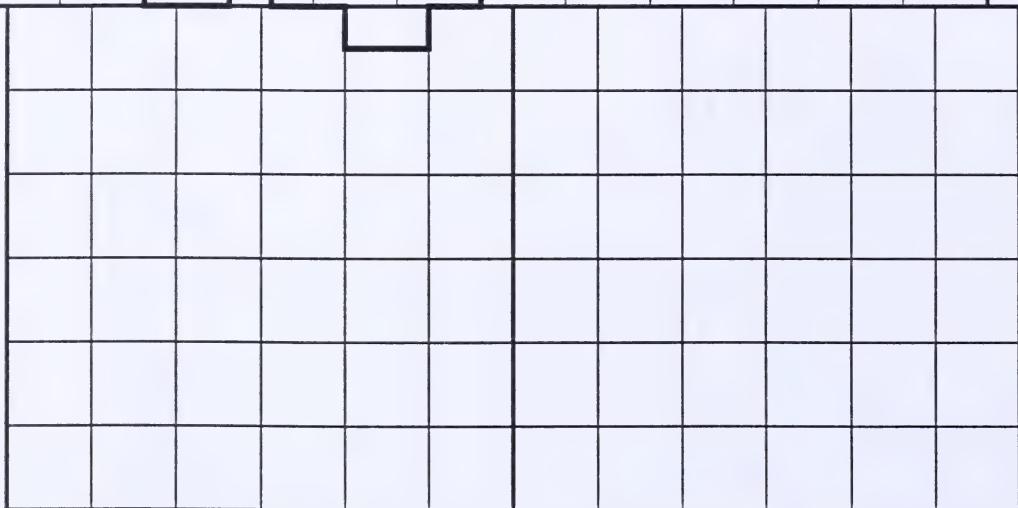
ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.9

R.8 W.4M.



T.35



T.34

PROVOST VIKING VETERAN UNIT

INITIAL EFFECTIVE DATE - 1 APRIL 1971

UNIT OPERATOR - ENERPLUS RESOURCES CORPORATION

ERCB

RAINBOW KEG RIVER I UNIT

Located in the Rainbow Field

Unit Operator - Esso Resources Canada Limited

Initial Effective Date - 1 January 1971

Participation Revised - 1 October 1989

\*Unitized Zone - Keg River Formation comprising Rainbow Keg River I Pool

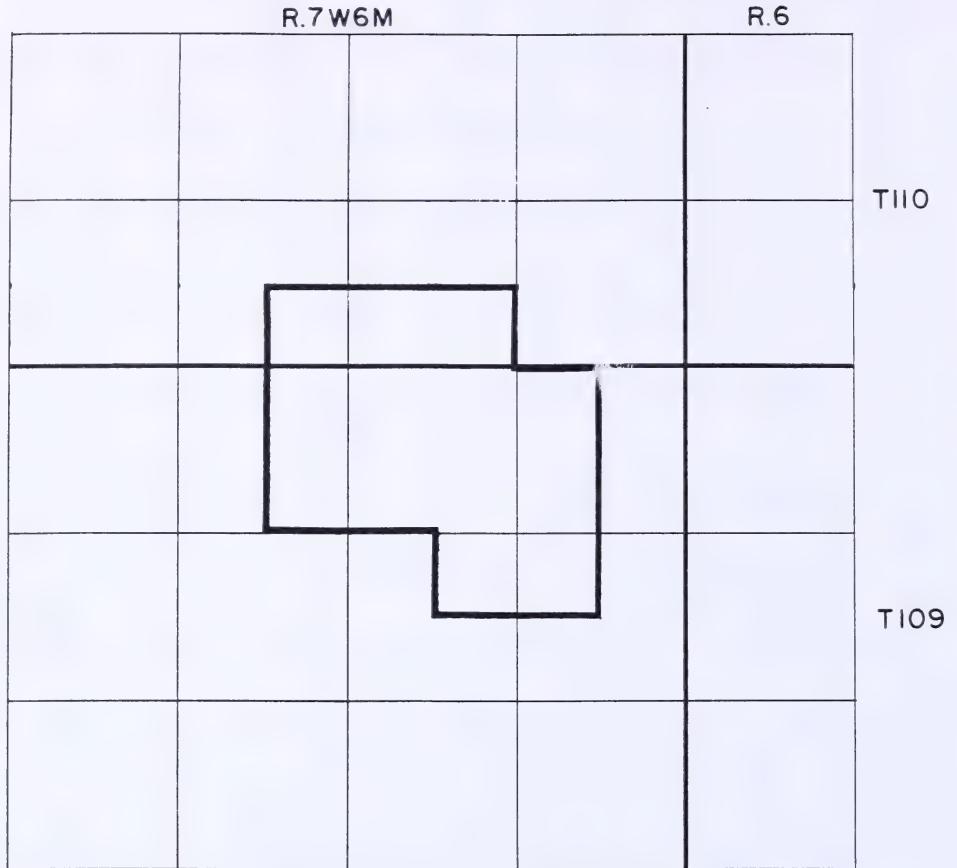
\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Canterra Energy Ltd.	30.0000
Esso Resources Canada Limited	40.0000
Mobil Oil Canada	30.0000
	<u>100.0000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta



**RAINBOW KEG RIVER I UNIT**

**INITIAL EFFECTIVE DATE - JANUARY 1, 1971**

**UNIT OPERATOR - ESSO RESOURCES CANADA LIMITED**

RICINUS CARDIUM UNIT NO. 1

Located in the Ricinus Field

Unit Operator - Amoco Canada Petroleum Company Ltd.

Initial Effective Date - 1 June 1973

Participation Revised - 1 October 1989

\*Unitized Zone - Cardium Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amerada Minerals Corporation of Canada Ltd.	3.309
Amoco Canada Petroleum Company Ltd.	40.045
Amoco Canada Resources Ltd.	3.698
Chevron Canada Resources	2.654
Gulf Canada Resources Limited	7.289
Mobil Oil Canada	2.654
Petro-Canada Inc.	40.045
Placer CEGO Petroleum Company Ltd.	0.306
	<u>100.000</u>

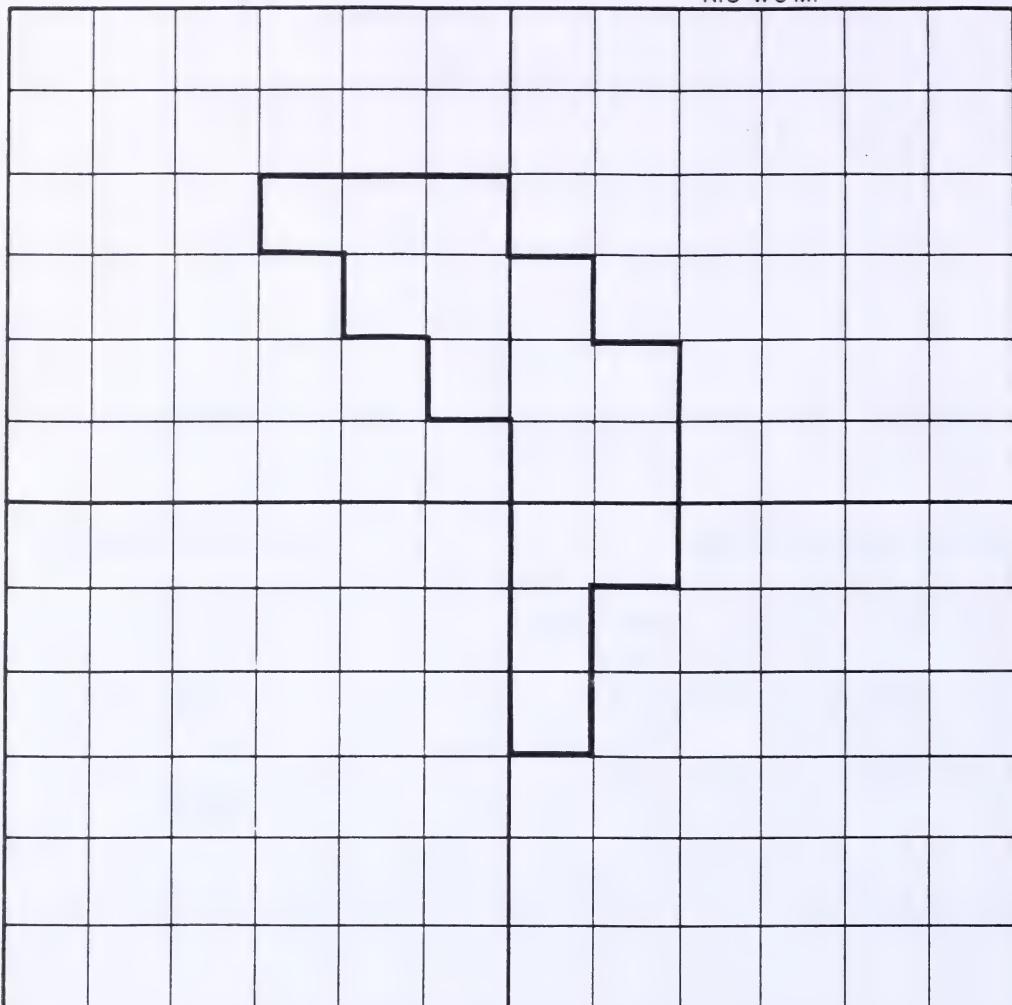
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.9

R.8 W5 M.



T. 36

T. 35

RICINUS CARDIUM UNIT NO. I

INITIAL EFFECTIVE DATE - 1 JUNE 1973

UNIT OPERATOR - AMOCO CANADA PETROLEUM COMPANY LTD.

ERCB

SPIRIT RIVER TRIASSIC UNIT NO. 1

Located in the Spirit River Field

Unit Operator - Norcen Energy Resources Limited

Initial Effective Date - 1 February 1986

Participation Revised - 1 October 1989

\*Unitized Zone - Charlie Lake Formation and Halfway Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Accipiter Resources Ltd.	0.02750
Allaro Resources Ltd.	0.94857
Allaro #1 Company by its General Partner 226891 Alberta Ltd.	0.25544
Amoco Canada Resources Ltd.	0.43775
A. M. Patterson, Geologist Limited	0.94304
Bobcat Energy Ltd.	0.37929
Chauvco Resources Ltd.	2.63421
Corexcana Ltd.	15.56624
Discover West Corp.	0.95208
Elite Resources Inc.	0.45100
Esso Resources Canada Limited	3.35634
Francarep Canada Limited	1.89839
Norcen Energy Resources Limited	15.12575
Northern Development Company Limited	2.64000
OeMV Oil & Gas Ltd.	7.83347
Pacific Enterprises Oil Company	3.79286
Pauma Petroleum Ltd.	0.45100
Petrorep (Canada) Ltd.	7.83347
Pioneer Energy Resources Limited	1.27719
Propetro Corp.	2.63420
Quantex Resources Ltd.	0.90965
Redeagle Resources Ltd.	0.30250
Saskatchewan Oil and Gas Corporation	10.55208
Southmark Acquisitions Canada Ltd.	0.31736
Spruce Hills Production Company, Inc.	0.44895
Taurus Industries Ltd.	0.12377
Triplet Resources Limited	13.58211
Wigham Resources Ltd.	0.94857
Wintershall Oil of Canada Ltd.	2.62623
280489 Alberta Ltd.	0.43363
282116 Alberta Inc.	0.31736
	<u>100.00000</u>

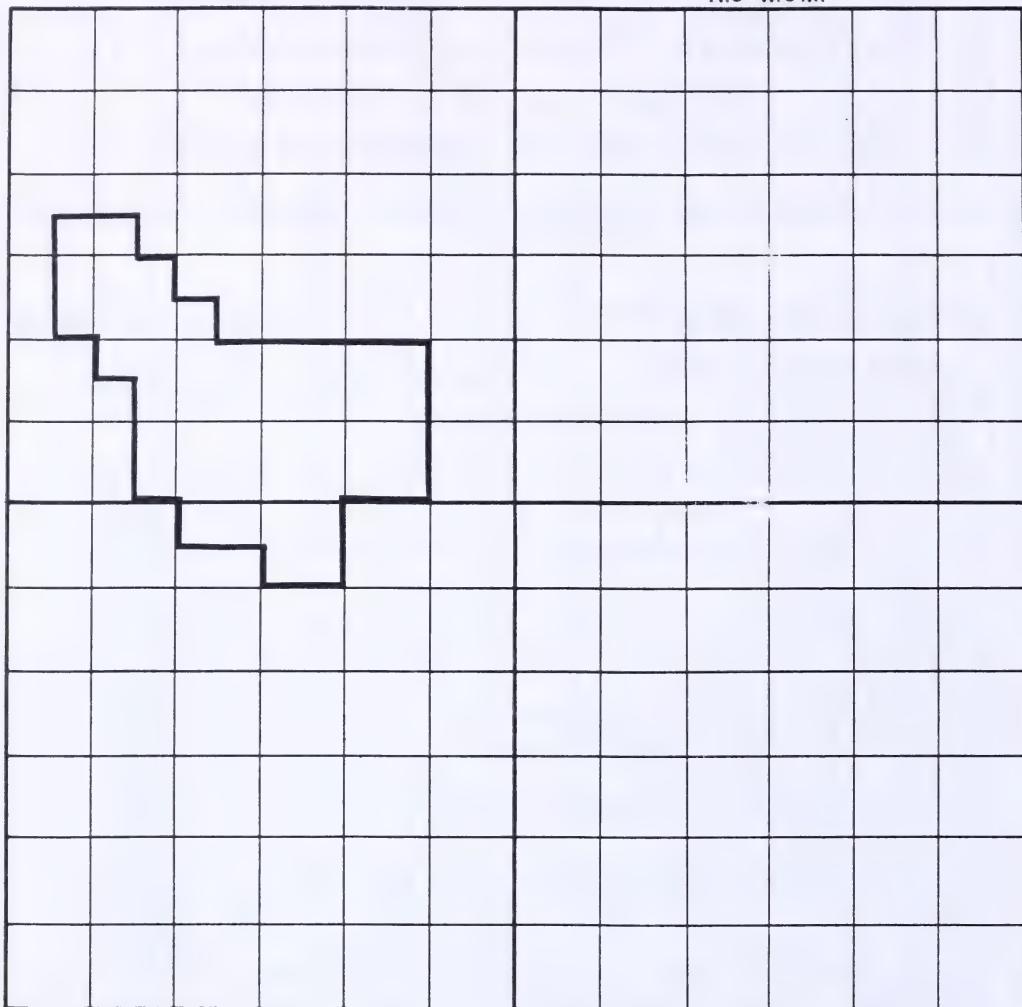
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.6

R.5 W.6 M.



T.78

T.77

SPIRIT RIVER TRIASSIC UNIT NO.1

ERCB

INITIAL EFFECTIVE DATE - 1 FEBRUARY 1986

UNIT OPERATOR - NORCEN ENERGY RESOURCES LIMITED

SULLIVAN LAKE GAS UNIT NO. 1

Located in the Sullivan Lake Field

Unit Operator - BP Resources Canada Limited

Initial Effective Date - 1 September 1974

Participation Revised - 1 November 1989

\*Unitized Zone - Basal Belly River and Viking Formations

\*Unitized Substance - Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	18.816300
BP Resources Canada Limited	46.400100
Columbia Gas Development of Canada Ltd.	0.573200
Enerplus Resources Corporation	1.965900
Maligne Resources Limited	3.647600
Mobil Oil Canada, Ltd.	2.544875
PanCanadian Petroleum Limited	15.865575
Sceptre Resources Limited	10.186450
	<u>100.000000</u>

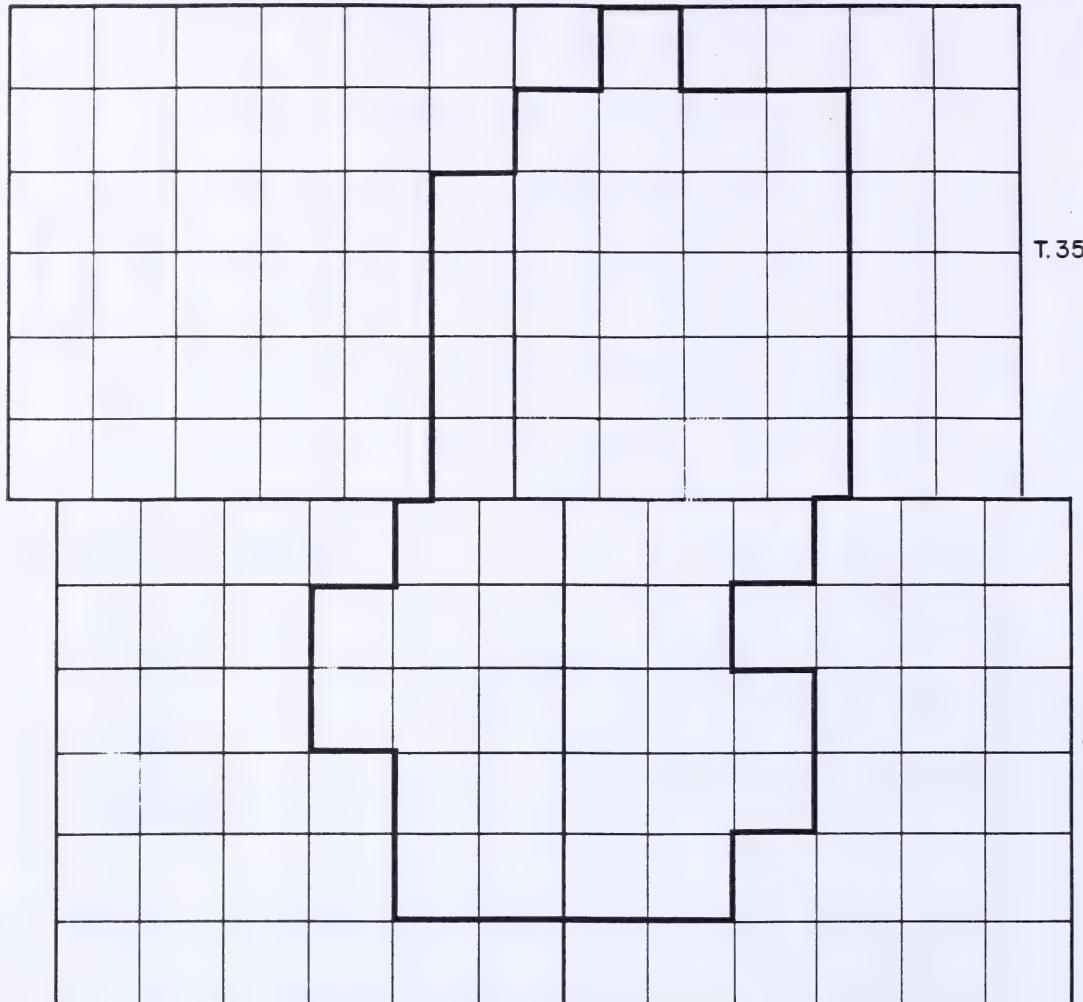
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.14

R.13 W.4 M.



SULLIVAN LAKE GAS UNIT NO. I

INITIAL EFFECTIVE DATE - 1 SEPTEMBER 1974

UNIT OPERATOR- BP RESOURCES CANADA LIMITED

ERCB

SUNSET TRIASSIC "A" UNIT NO. 1

Located in the Sunset Field

Unit Operator - Texaco Canada Resources

Initial Effective Date - 1 December 1979

Participation Revised - 1 August 1989

\*Unitized Zone - Triassic "A" Sand Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>	
	<u>Interim</u>	<u>Final</u>
Amoco Canada Resources Ltd.	2.4773	2.5004
Amerada Minerals Corporation of Canada Ltd.	24.1870	26.7200
Canpar Holdings Ltd.	5.0755	5.1229
Coseka Resources Limited	0.5310	0.7260
Esso Resources Canada	37.9175	36.9765
Inverness Petroleum Ltd.	29.8117	27.9542
	<u>100.0000</u>	<u>100.0000</u>

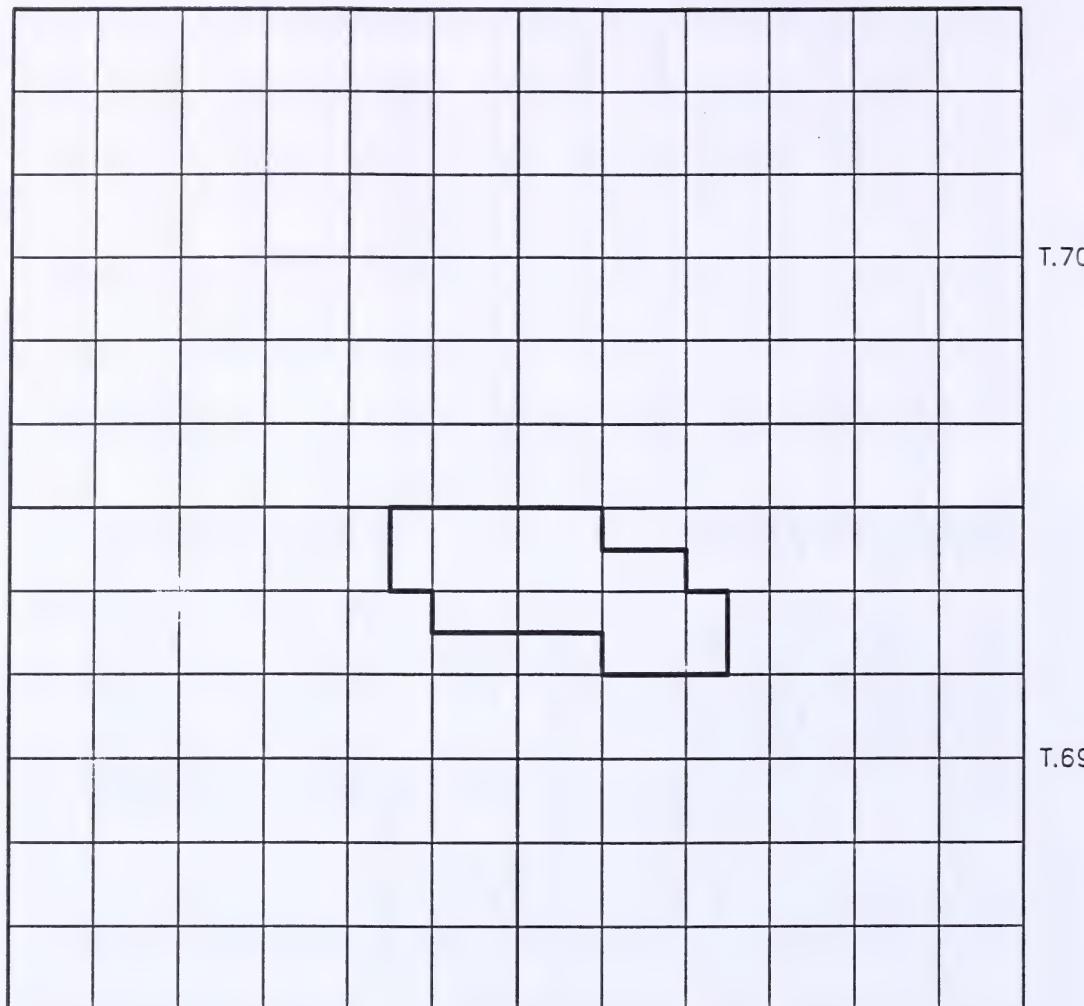
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.20

R.19 W.5M.



SUNSET TRIASSIC A UNIT NO.1

INITIAL EFFECTIVE DATE - 1 DECEMBER 1979

UNIT OPERATOR - ESSO RESOURCES CANADA

ERCB

TABER NORTH UNIT

Located in the Taber North Field

Unit Operator - Amoco Canada Resources Ltd.

Initial Effective Date - 1 March 1971

Participation Revised - 1 November 1989

\*Unitized Zone - Taber Sand of the Basal Cretaceous Age

\*Unitized Substances - Petroleum substance in or obtained from the Unitized zone.

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	50.000
Atcor Ltd.	2.821
Black Cat Oil & Gas Ltd.	2.821
Mobil Oil Canada	44.358
	<u>100.000</u>

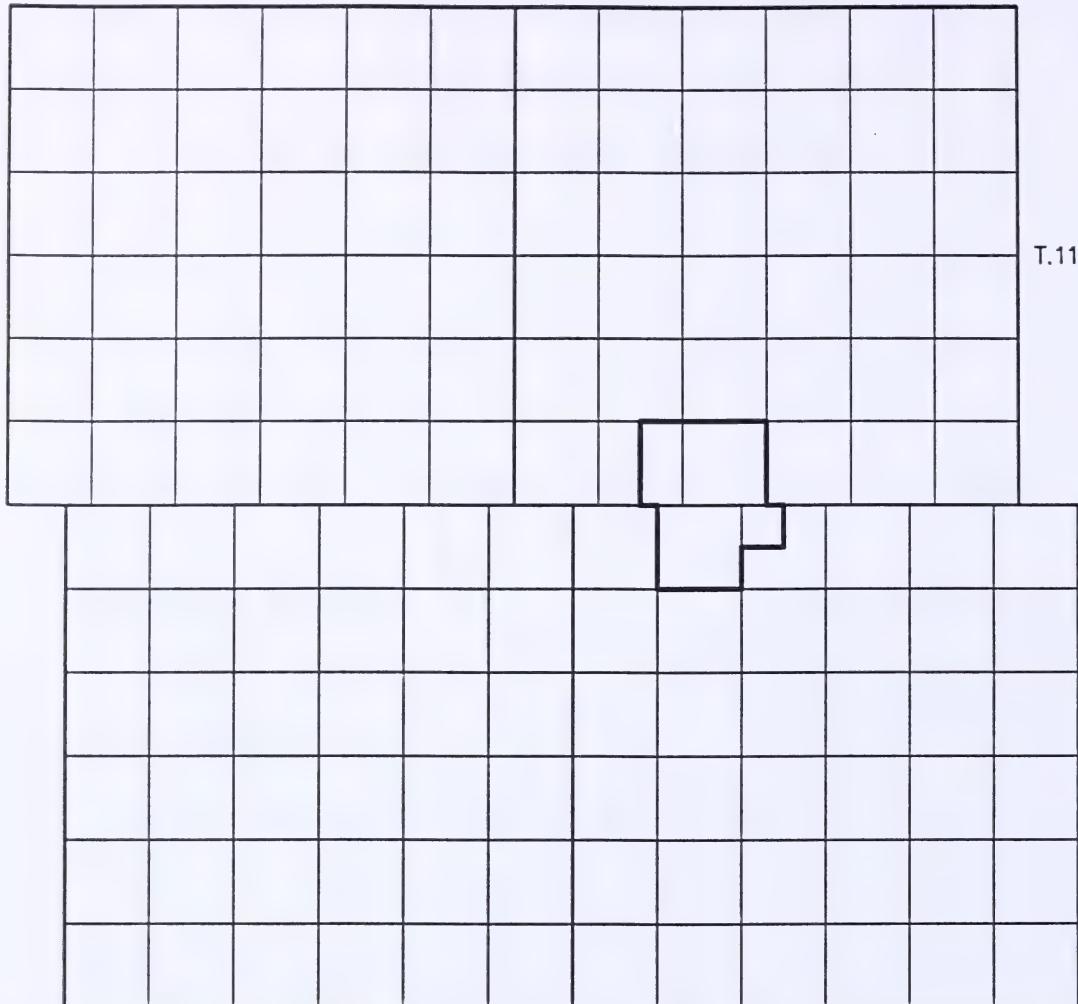
\* For complete definition of unitized zones and substances, see Unit documents.

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.17

R.16 W.4M.



TABER NORTH UNIT

INITIAL EFFECTIVE DATE - 1 MARCH 1971

UNIT OPERATOR - AMOCO CANADA RESOURCES LTD.



THREE HILLS CREEK PEKISKO UNIT NO. 1

Located in the Three Hills Creek Field

Unit Operator - Amoco Canada Petroleum Company Ltd.

Initial Effective Date - 1 January 1961

Participation Revised - 1 October 1989

\*Unitized Zone - Pekisko Formation

\*Unitized Substance - Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	13.4938
Amoco Canada Resources Ltd.	3.0945
Canadian Occidental Petroleum Ltd.	0.6691
Chevron Canada Resources	4.6834
Esso Resources Canada	9.1355
Esso Resources Canada Limited	7.5019
Gulf Canada Resources Limited	16.3462
Husky Oil Operations Ltd.	1.0319
Lincoln-McKay Development Company Ltd.	1.3382
Mobil Oil Canada	4.0144
Murphy Oil Company Ltd.	17.9555
North Canadian Oils Limited	5.6200
Petro-Canada Inc.	10.5020
Petroterra Natural Resources Ltd.	1.3286
Scurry-Rainbow Oil Limited	3.2850
	<u>100.0000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

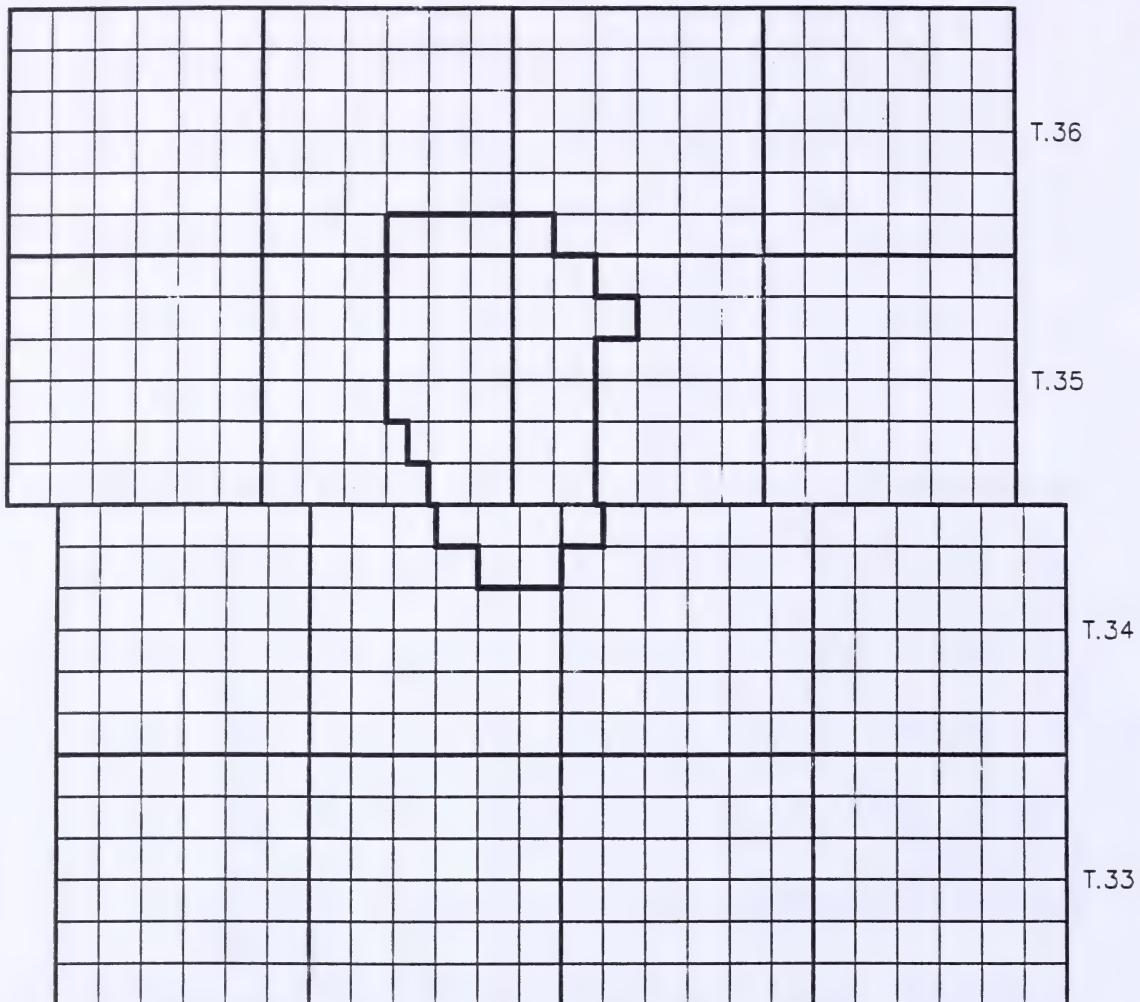
ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.27

R.26

R.25

R.24 W.4M.



THREE HILL CREEK PEKISKO UNIT NO.1

 ERCB

INITIAL EFFECTIVE DATE - 1 JANUARY 1961

UNIT OPERATOR - AMOCO CANADA PETROLEUM COMPANY LTD.

VIRGINIA HILLS BELLOY - SHUNDA UNIT NO. 1

Located in the Virginia Hills Field

Unit Operator - Shell Canada Limited

Initial Effective Date - 1 May 1982

Participation Revised - 1 December 1989

\*Unitized Zone - Belloy-Shunda Formation

\*Unitized Substance - Gas and oil

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	0.50123
Amoco Canada Resources Ltd.	0.29457
Gulf Canada Resources Limited	0.29457
Moraine Production Co. Ltd.	0.80197
Pennzoil Petroleums Ltd.	8.20558
Shell Canada Limited	89.86866
Sterling Oil Properties Management Ltd.	<u>0.03342</u>
	<u>100.00000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reserve Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.15

R.14

R.13

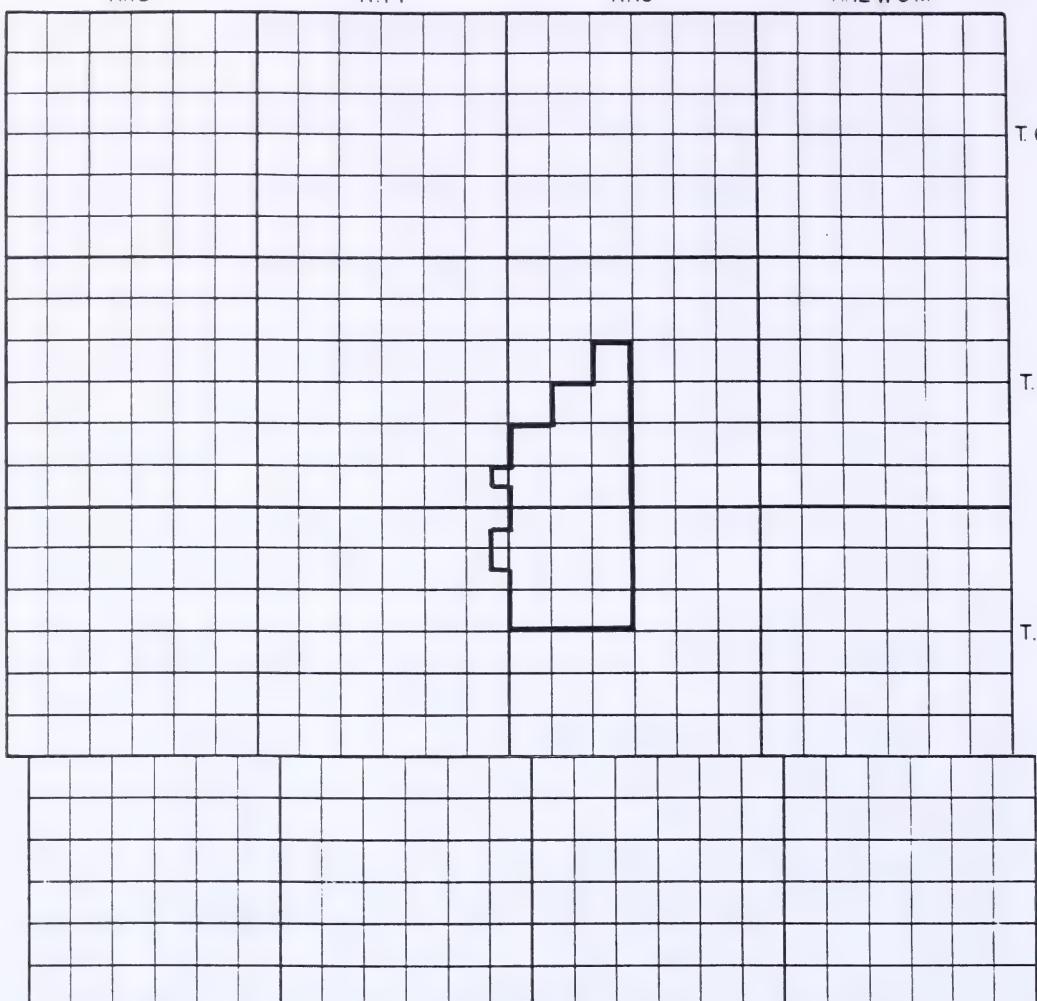
R.12W5M

T. 65

T. 64

T. 63

T. 62



**VIRGINIA HILLS BELLOY-SHUNDA UNIT NO.1**



INITIAL EFFECTIVE DATE - 1 MAY 1982

UNIT OPERATOR - SHELL CANADA LIMITED

WILLESDEN GREEN CARDIUM UNIT NO. 4

Located in the Willesden Green Field  
Unit Operator - Esso Resources Canada

Initial Effective Date - 1 October 1964

Participation Revised - 1 August 1989

\* Unitized Zone - Cardium Formation

\* Unitized Substance - Petroleum, natural gas and other hydrocarbons (except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	15.0750
Esso Resources Canada	84.9250
	100.0000

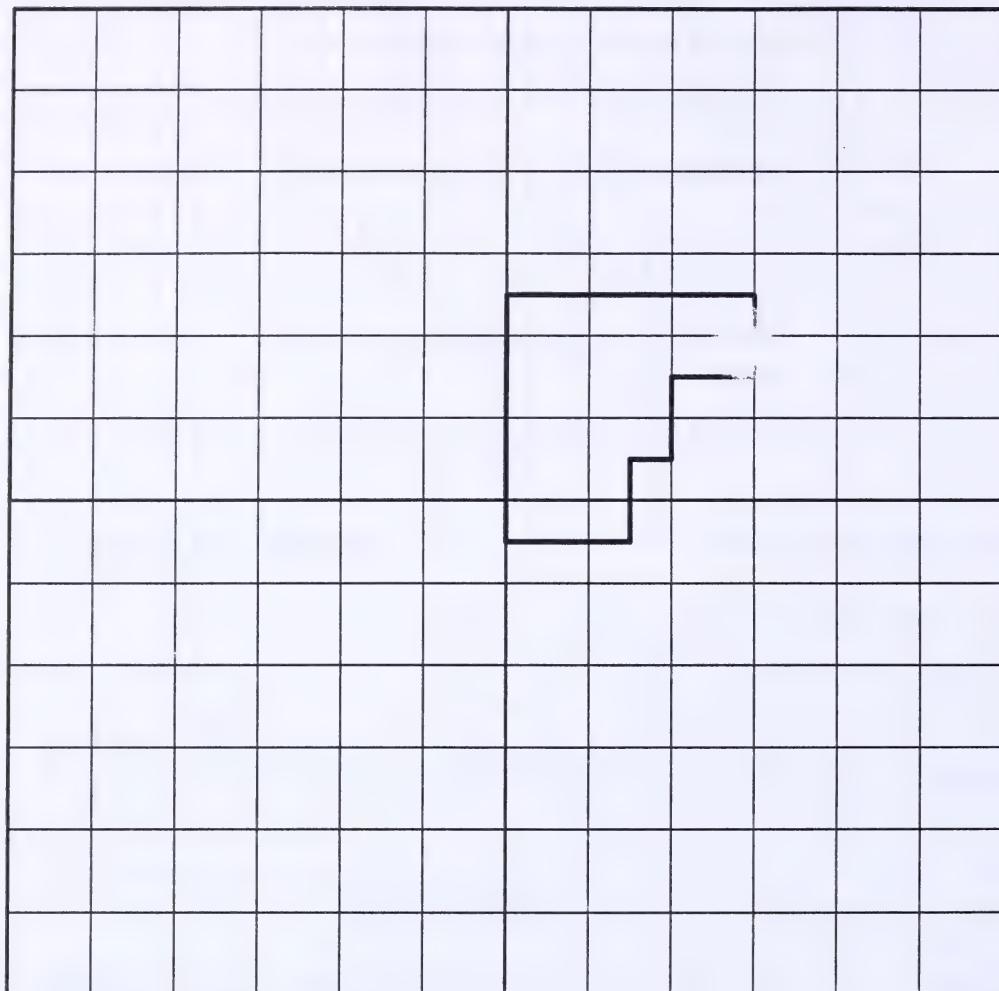
\* For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.7

R.6 W.5M.



WILLESDEN GREEN CARDIUM UNIT NO.4

INITIAL EFFECTIVE DATE - 1 OCTOBER 1964

UNIT OPERATOR - ESSO RESOURCES CANADA

**ERCB**

WILLESDEN GREEN CARDIUM UNIT NO. 7

Located in the Willesden Green Field

Unit Operator - Esso Resources Canada

Initial Effective Date - 1 December 1967

Participation Revised - 1 August 1989

\*Unitized Zone - Cardium Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	7.07292
Esso Resources Canada	71.32790
J. M. Huber Corporation	14.74132
Mobil Oil Canada	6.85786
	<hr/>
	100.00000

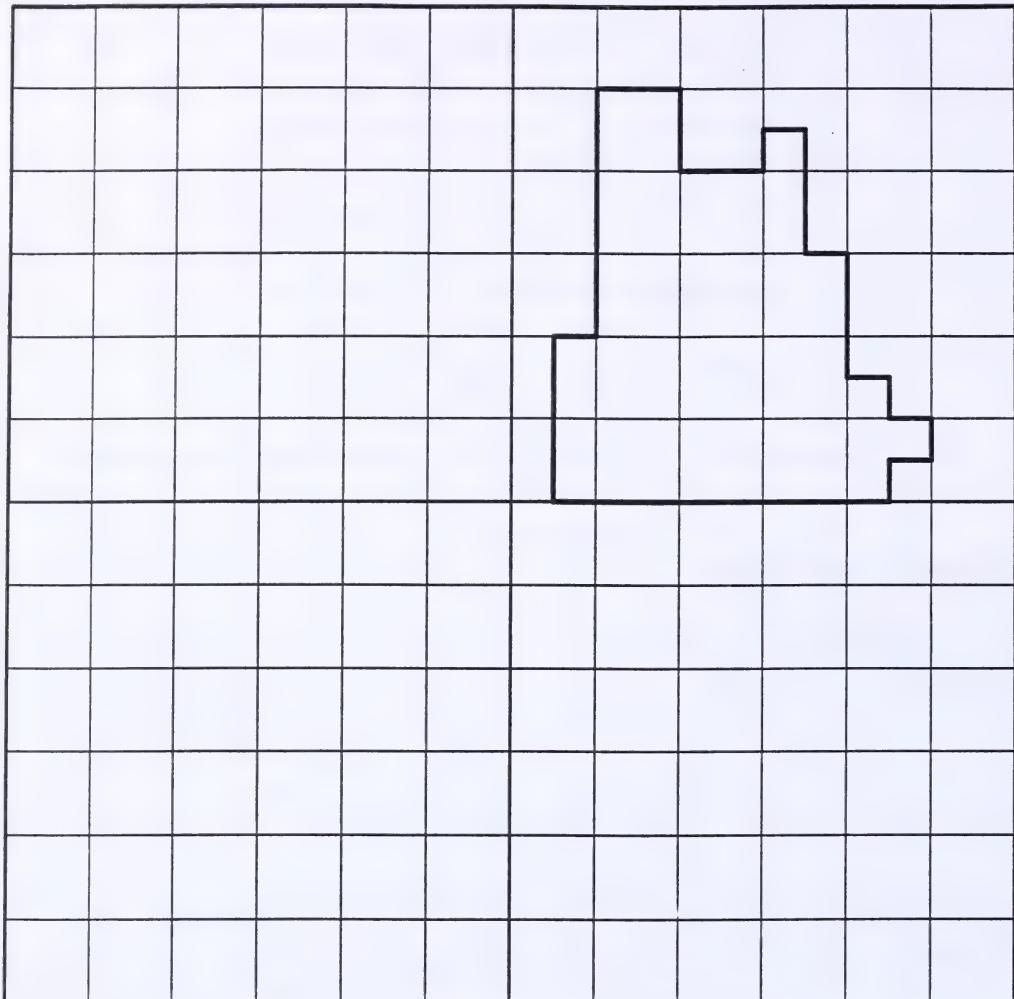
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.6

R.5 W.5M.



WILLESDEN GREEN CARDIUM UNIT NO.7

INITIAL EFFECTIVE DATE - 1 DECEMBER 1967

UNIT OPERATOR - ESSO RESOURCES CANADA

ERCB

WILLESDEN GREEN CARDIUM UNIT NO. 10

Located in the Willesden Green Field  
Unit Operator - Esso Resources Canada

Initial Effective Date - 1 February 1971

Participation Revised - 1 August 1989

\*Unitized Zone - Cardium Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

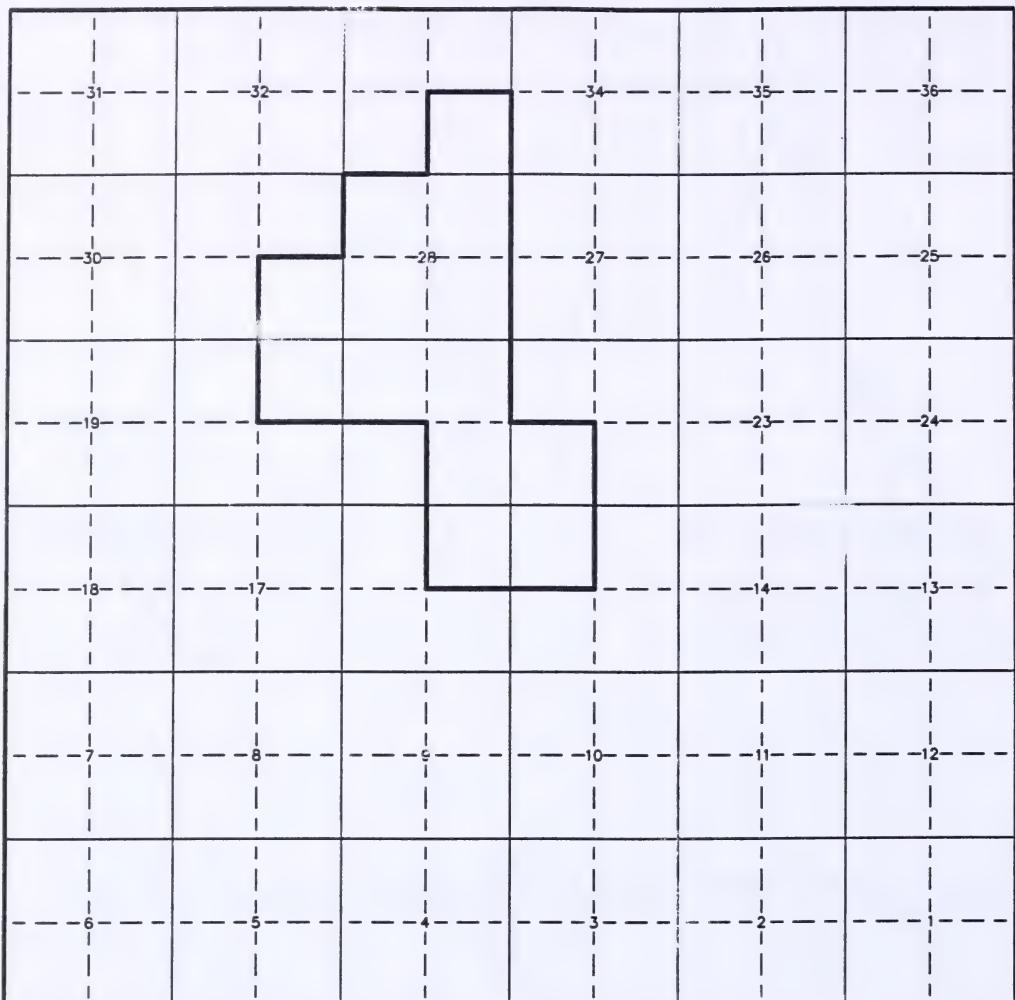
<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	28.6679
Esso Resources Canada	69.8233
New York Oils Limited	1.5088
	<u>100.0000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

F. 6 W.5M.



WILLESDEN GREEN CARDIUM UNIT NO. 10

ERCB

INITIAL EFFECTIVE DATE - 1 FEBRUARY 1971

UNIT OPERATOR - ESSO RESOURCES CANADA

WILLESDEN GREEN GLAUCONITIC "A" UNIT NO. 1

Located in the Willesden Green Field  
Unit Operator - Murphy Oil Company Ltd.

Initial Effective Date - 1 January 1969

Participation Revised - 1 November 1989

\*Unitized Zone - Glauconitic Zone

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Mobil Oil Canada	4.2989
Murphy Oil Company Ltd.	52.6798
PanCanadian Petroleum Limited	43.0213
	<hr/>
	100.0000

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.5 W.5M.

- - - 31 - - -	- - - 32 - - -	- - - 33 - - -	- - - 34 - - -	- - - 35 - - -	- - - 36 - - -
- - - 30 - - -	- - - 29 - - -	- - - 28 - - -	- - - 27 - - -	- - - 26 - - -	- - - 25 - - -
- - - 19 - - -	- - - 20 - - -	- - - 21 - - -	██████████	- - - 23 - - -	- - - 24 - - -
- - - 18 - - -	- - - 17 - - -	██████████	- - - 15 - - -	██████████	- - - 13 - - -
- - - 7 - - -	- - - 8 - - -	- - - 9 - - -	- - - 10 - - -	██████████	- - - 12 - - -
- - - 6 - - -	- - - 5 - - -	- - - 4 - - -	- - - 3 - - -	- - - 2 - - -	- - - 1 - - -

T.39

WILLESDEN GREEN GLAUCONITIC A UNIT NO.1        
INITIAL EFFECTIVE DATE - 1 JANUARY 1969  
UNIT OPERATOR - MURPHY OIL COMPANY LTD.

WINDFALL D-3 UNIT

Located in the Windfall Field

Unit Operator - Petro-Canada Inc.

Initial Effective Date - 24 March 1962

Participation Revised - 1 May 1989

\*Unitized Zone - D-3 Formation of Woodbend Group

\*Unitized Substance - Crude oil, natural gas, distillate, condensate, and  
all other hydrocarbons (except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	41.667
Amoco Canada Resources Ltd.	41.667
Petro-Canada Inc.	<u>16.666</u>
	<u>100.000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

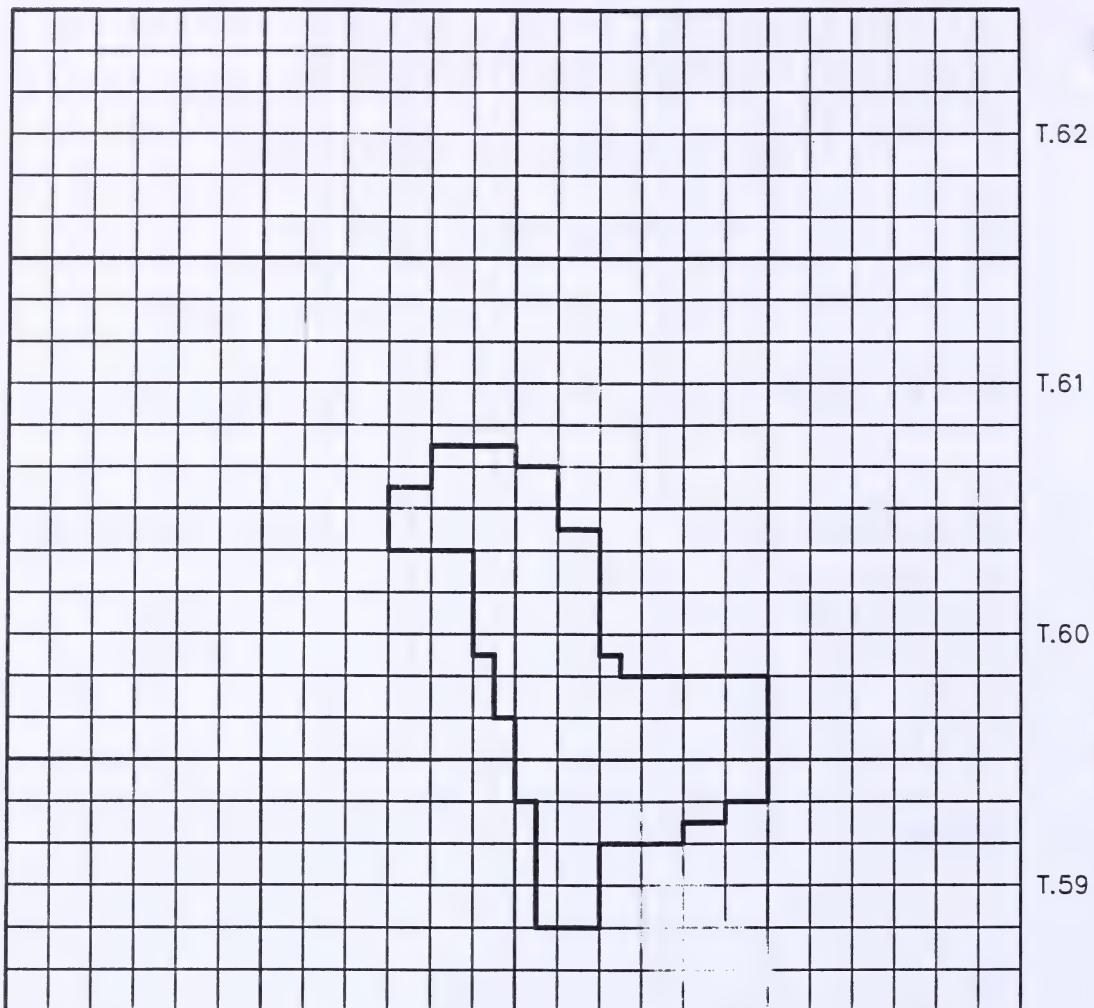
ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.17

R.16

R.15

R.14 W.5M.



**WINDFALL D-3 UNIT**

INITIAL EFFECTIVE DATE - 24 MARCH 1962

UNIT OPERATOR - PETRO-CANADA INC.

**ERCB**

WOOD RIVER D-2A UNIT

Located in the Wood River Field

Unit Operator - Sceptre Resources Limited

Initial Effective Date - 1 November 1987

Participation Revised - 1 November 1989

\*Unitized Zone - Nisku (D-2) Formation within the Unit Area

\*Unitized Substance - Petroleum substances in or obtained from the unitized zone

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Anderson Exploration Ltd.	9.63841
Bellport Resources Ltd.	1.13851
Candev Investments Ltd.	0.02160
Candor Investments Ltd.	7.68327
Canadian Superior Oil Ltd.	3.32831
Chadon Resources Ltd.	0.11240
Consumers Co-Operative Refineries Limited	17.05354
Dorchester Exploration Inc.	2.21376
Fossil Resources Limited	2.36739
Kandex Resources & Development Ltd.	9.35952
Lancana Petroleum Limited	1.55973
Nucorr Petroleums Ltd.	3.60453
Oakwood Petroleums Ltd.	22.23189
Placer Cego Petroleums A Division of Placer Development Limited	0.64805
Probe Exploration & Development Ltd.	1.72313
Prodeco Oil & Gas Co. Ltd.	1.77556
Robinson Resources Ltd.	2.95936
Sceptre Resources Limited	7.76744
Silverton Resources Ltd.	2.51956
Tourigny Management Ltd.	0.85182
Ultramar Oil and Gas Canada Ltd.	<u>1.44222</u>
	<u>100.00000</u>

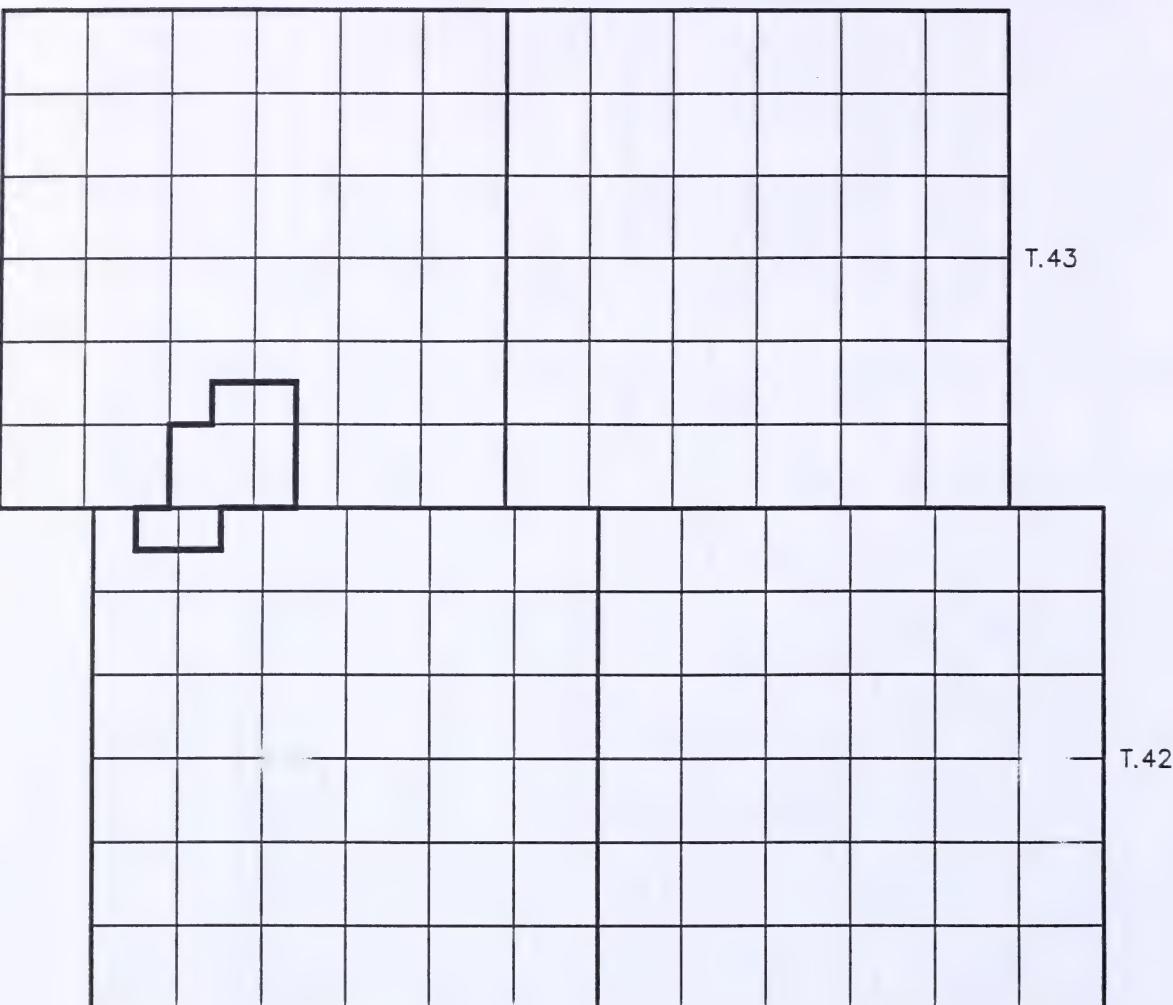
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.23

R.22 W.4M.



WOOD RIVER D-2A UNIT

INITIAL EFFECTIVE DATE - 1 NOVEMBER 1987

UNIT OPERATOR - SCEPTRE RESOURCES LIMITED

ERCB

ZAMA KEG RIVER "CC" UNIT

Located in the Zama Field

Unit Operator - Esso Resources Canada

Initial Effective Date - 1 January 1970

Participation Revised - 1 August 1989

\*Unitized Zone - Zama Member and Keg River Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Chevron Canada Resources	54.0
Esso Resources Canada	46.0
	<u>100.0</u>

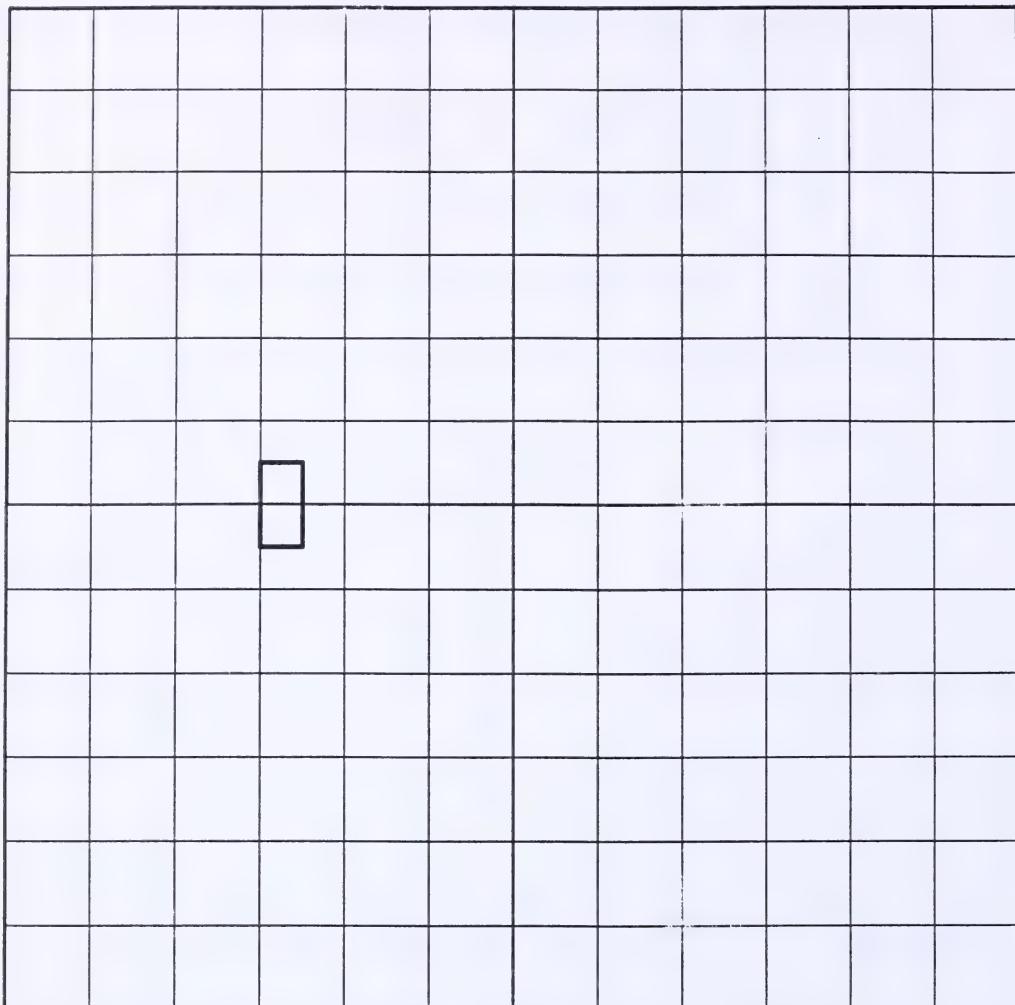
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.5

R.4 W.6M.



ZAMA KEG RIVER CC UNIT

ERCB

INITIAL EFFECTIVE DATE - 1 JANUARY 1970

UNIT OPERATOR - ESSO RESOURCES CANADA

MITSUE GILWOOD SAND UNIT NO. 2

Located in the Mitsue Field

Unit Operator - Norwich Resources Canada Ltd.

Initial Effective Date - 1 March 1989

\*Unitized Zone - Gilwood Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Esso Resources Canada Limited	23.92211
LASMO Canada Inc.	38.03895
Norwich Resources Canada Ltd.	38.03894
	<u>100.00000</u>

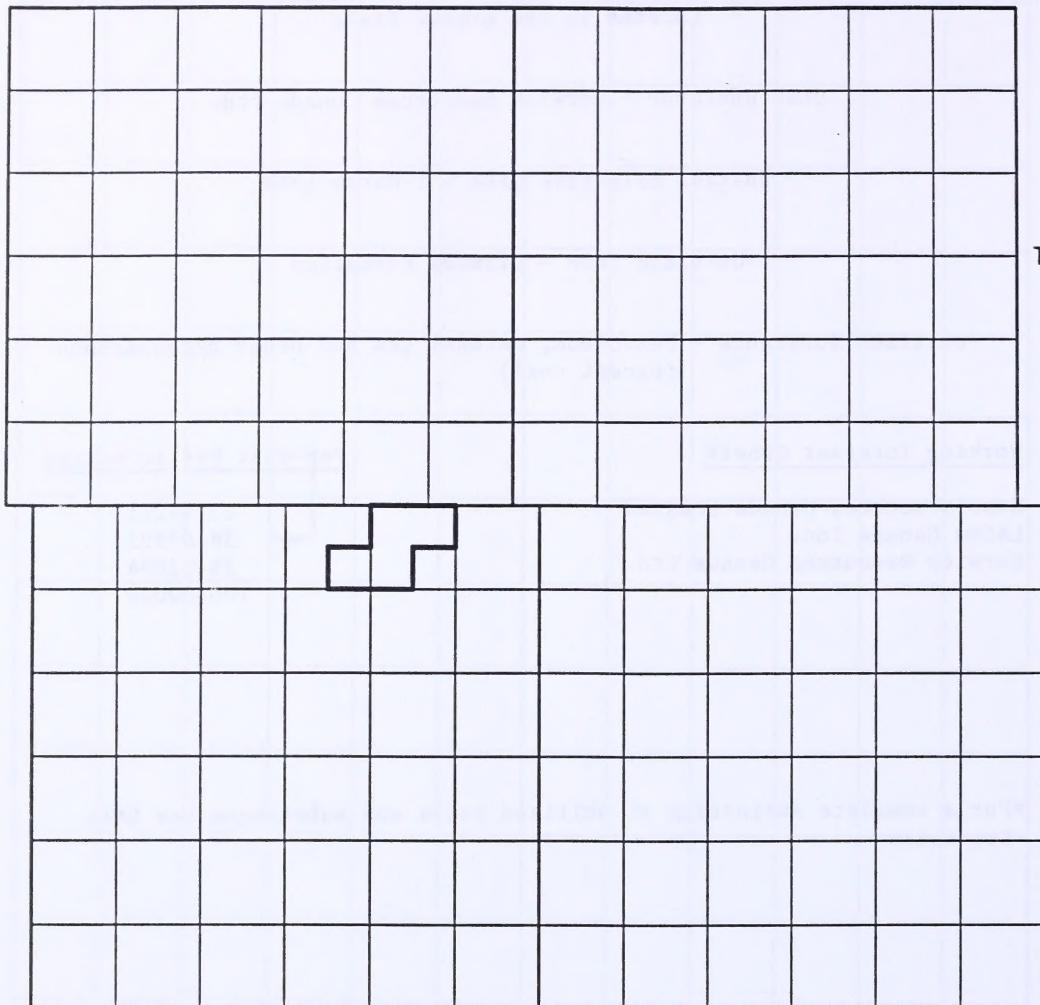
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.6

R.5 W.5M.



MITSUE GILWOOD SAND UNIT NO.2



INITIAL EFFECTIVE DATE - 1 MARCH 1989

UNIT OPERATOR - NORWICH RESOURCES CANADA LTD.



